

Wellell Group

User Guide SLK Carry Product Family



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Welcome

Thank you very much for deciding to purchase a product of the company **SLK**. It has been developed with care by experts and tested and manufactured in accordance with the applicable guidelines and standards.

The company SLK uses more than 80 percent green electricity generated on site exclusively from solar energy for prodution, chemothermal conditioning, service and the remaining energy consumption. All workflows are optimized for the maximum efficiency for the use of solar energy. This is how the company makes a significant contribution to the energy transition and climate protection already today.

General Information

Before using the product, be sure to read the complete user guide. This is how you can prevent errors due to a lack of information.

Sections with headings highlighted in **bright grey** primarily address the **operator** (e.g. the medical supply store). Headings highlighted in **dark grey** address the **user** (e.g. the nurse). **Medium grey** means it is intended for **both addressees**.

Colorful content is particularly relevant to safety.

The models of the **SLK Carry Product Family** are **mobile patient hoists** for children, adults or heavy patients. These hoists are suitable for use in **home care**, in **nursing institutions** or **clinics**. Combined with the corresponding **SLK hoist slings**, they can be used by a nurse to carefully change the patient's position while the patient is lying down or sitting up, and it also suitable **for use in wet areas**.

In the development of our products, we place particular value on **user friendliness**. This of course also applies to this user guide, which is subject to continuous development and improvement. Therefore, you should always consult the **current version** for your product, which you can find on our website at **slk-gmbh.de**.

SLK Carry Models in Comparison

Model	185 Eco	185 Classic	185 Classic e	185 Pro	185 Рго е	185 Pro L	185 Pro L e	Compact
Article ID	8000	8002	8003	8004	8005	8006	8007	8014
Safe working load	185 kg 29 st 407 lbs	185 kg 29 st 407 lbs	185 kg 29 st 407 lbs	185 kg 29 st 407 lbs	185 kg 29 st 407 lbs	185 kg 29 st 407 lbs	185 kg 29 st 407 lbs	160 kg 25 st 352 lbs
Recommended body height	80 - 210 cm 2 ft 7 in - 6 ft 1 in	80 - 210 cm 2 ft 7 in - 6 ft 1 in	80 - 210 cm 2 ft 7 in - 6 ft 1 in	80 - 210 cm 2 ft 7 in - 6 ft 1 in	80 - 210 cm 2 ft 7 in - 6 ft 1 in	80 - 210 cm 2 ft 7 in - 6 ft 1 in	80 - 210 cm 2 ft 7 in - 6 ft 1 in	80 - 165 cm 2 ft 7 in - 5 ft 5 in
Color	RAL 7047	RAL 7047, anthracite pusher bar	RAL 7047, anthracite pusher bar	silver metallic, pusher bar and base anthracite	silver metallic, pusher bar and base anthracite	silver metallic, pusher bar and base anthracite	silver metallic, pusher bar and base anthracite	RAL 7047, anthracite pusher bar
Battery pack Lead: Li-ions:	24 V / 2,9 Ah 24 V / 3,25 Ah	24 V / 2,9 Ah 24 V / 3,25 Ah	24 V / 2,9 Ah 24 V / 3,25 Ah	24 V / 2,9 Ah 24 V / 3,25 Ah		24 V / 2,9 Ah 24 V / 3,25 Ah		24 V / 3,25 Ah
Lifting cycles per load at 120 kg / 18,9 st / 264,5 lbs load	25	25	30	30	30	30	30	30
Control unit	Standard control unit	Comfort control unit with display and mainte- nance indicator soft start/ soft stop	Comfort control unit with display and mainte- nance indicator soft start/ soft stop	Comfort control unit with display and maintenance indicator soft start/ soft stop	Comfort control unit with display and mainte- nance indicator soft start/ soft stop	Comfort control unit with display and mainte- nance indicator soft start/ soft stop	Comfort control unit with display and mainte- nance indicator soft start/ soft stop	Comfort control unit with display and mainte- nance indicator soft start/ soft stop
Caster design	Steel sheet casters with ball bearing	Full steel sheet casters with ball bearing	Full steel sheet casters with ball bearing	Full, smooth running comfort casters with high- quality plastic housing	Full, smooth running comfort casters with high- quality plastic housing	Full, smooth running comfort casters with high- quality plastic housing	Full, smooth running comfort casters with high- quality plastic housing	High- quality smooth running plastic casters
Ground clearance (base height at the front)	109 mm	109 mm	109 mm	109 mm	109 mm	88 mm	88 mm	83 mm
Base expansion	manual	manual	electric	manual	electric	manual	electric	manual
Special features	Starter model	Standard model with quick drive	Standard model (like Classic), electrical base expansion	Comfort model with quick drive and large battery pack	Comfort model (like Pro), electrical base expansion	Comfort model (like Pro), low ground clearance	Comfort model (like Pro), low ground clearance, electrical base expansion	Particularly compact model for confined rooms

SLK Carry Product Family

This user guide applies to the following **patient hoists** of the **SLK Carry Product Family**:

SLK Carry 185 Eco	Article ID	8000
SLK Carry 185 Classic	Article ID	8002
SLK Carry 185 Classic e	Article ID	8003
SLK Carry 185 Pro	Article ID	8004
SLK Carry 185 Pro e	Article ID	8005
SLK Carry 185 Pro L	Article ID	8006
SLK Carry 185 Pro L e	Article ID	8007
SLK Carry Compact	Article ID	8014

The **model designation "e"** at the end refers to the model with electrical base expansion. Where information is given in this user guide that applies to all models, it is referred to **SLK Carry** in general terms.

Intended Use and Reuse

The patient hoists of the **SLK Carry Product Family** are active medical devices of class 1 according to the Medical Devices Regulation (EU) 2017/745 (MDR).

The purpose of these hoists is providing **support to the nurse** when **changing positions, lifting, transferring** and during **transports** of patients with restricted mobility inside of their residence.

The use requires an **SLK hoist sling**.

All **SLK Carry Hoists** are **reusable medical devices**. They can be used again for another patient after cleaning.

Indicatio<u>n</u>

The **SLK Carry Universal Hoists** are used, when the patient is **significantly or completely restricted and therefore unable to change his or her body position**. You make it easier for an assistant or nurse to change the patient's position and complete short transports within the residence. These hoists are used when active hoists or transfer aids no longer do the job.

Contraindication

The application of patient hoists lets forces work on the body of the patients, which **cannot be tolerated by them in all clinical states**. Before every application of the **SLK Carry**, please ascertain the patient and his or her clinical state very closely. **If you have any doubts, please ask the treating physician.**

If the patient's body weight exceeds the indicated **safe working load**, the **SLK Carry** must not be used.

The SLK Carry Patient Hoist is not suitable for use by the patients on their own.

Use in the Wet Area

The **SLK Carry Patient Hoists** are **suitable for use in wet areas**, e.g. the toilet and the bathroom. The hoists are not suitable for use in the shower.

Used Materials

The structure is made of steel with a high-quality powder coating for corrosion protection.

The components of the electrical drive system are installed in protective cases made of ABS plastic. The safety of coming into contact with these components was proven pursuant to EN ISO 10993-5.

The metal parts of the actuator consist of chromed steel and anodized

The stoppers are made of PE plastic.

Bolts and screws are made of common retail steels and are protected against corrosion by chrome VI-free zinc coating.

Safety Information

- The SLK Carry Hoists may be used exclusively for the purposes stated as the intended use. They are not approved for lifting objects and they are no toys. If this is disregarded, the hoist can be damaged and accidents may happen. Never leave children unattended near the hoist.
- **Do not exceed the safe working load**, which you can find on the type labels of the hoist. If this is disregarded, the hoist can be damaged and accidents may happen.
- Before every application of the SLK Carry, check its readiness for use by means of the "Daily Use Checklist". (Page 30)
 In case of any irregularities, do not use the hoist and immediately contact your specialized dealer.

Safety Information

- The SLK Carry must not be modified in design and only be used with the SLK hoist slings intended for it. (Page 14)

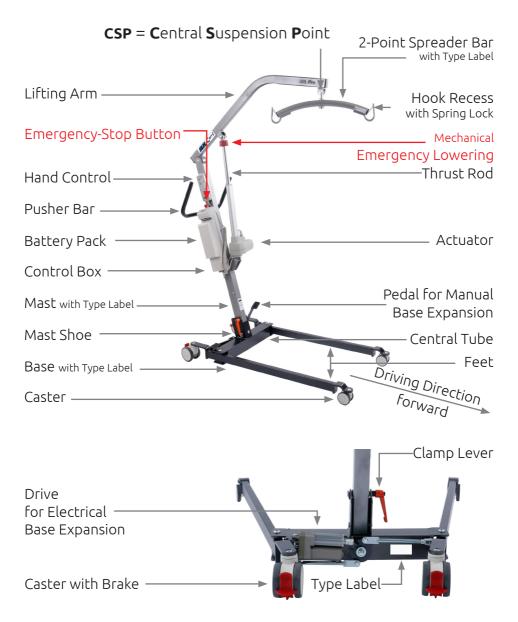
 For hoist slings of other manufacturers, a valid compatibility declaration must be available. Non-compatible slings and design modifications can result in damages on the hoist and accidents.
- The SLK Carry may only be used indoors on even, smooth surfaces and on one and the same floor of the building. Do not drive over high connection strips, carpet edges, cables or similar obstacles. Remove all obstacles before use. If this is disregarded, the hoist might overturn.
- Please ensure that no persons are near the hoist (e.g. children or pets) during the use. They might be put in danger and be injured or obstruct and imperil the transport process.
- Before lifting the patient, ensure that the area of movement of the lifting arm is clear and that it does not travel under door frames, book shelves or similar. The force of the lifting arm may damage furniture and therefore expose the patient and the nurse to a hazard.
- Ensure that the patient does not hold on to items of furniture or similar **during the lifting, lowering or transfer**. There are risks of injury from being crushed or from objects falling down.
- For transferring the patient, lift him or her up only as much as needed. The lower the center of gravity the greater the tilt stability.
- Move the SLK Carry slowly and evenly, at most at walking speed, and avoid sudden changes of direction. The hoist may overturn if you move it too fast.
- Do not touch parts of the actuator while navigating the hoist.
 Improper loads can damage the actuator.
- Never leave the patient unattended during the use. There is a risk
 of accident.
- If you pick up a patient from the floor, pay particular attention that none of the loops of the hoist sling are entangled under

Safety Information

- **a hoist foot.** The force of the actuator can damage the lifting arm, causing a risk to the patient.
- The SLK Carry Patient Hoists are not suitable for use by the patient on his or her own. This also applies to the charging of the battery pack by means of the charger.
- During handling while it is plugged into the charger, the user must never touch the patient at the same time.
- The charger must be unplugged from the socket for cleaning and disinfection.
- The hoist must not be used under running water, e.g., in a shower. **Penetrating moisture** can damage the electronics.
- The annual maintenance of your SLK Patient Hoist, including functions test with safe working load, must be conducted and documented by trained personnel at regular intervals. A hoist not receiving regular maintenance services harbors a latent safety risk.
- The **packaging material** of our product must be kept away from children and be disposed of correctly. If applied improperly, it can be a hazard to the health of children and lead to death by suffocation.
- **The hoist is not EX-protected.** It may be operated only in normally composed atmospheric air.
- Please note the safety information on the back side of the battery pack.
- Keep a **minimum distance** of 3.3 m between the patient hoist and electronic devices (e.g. mobile phones). Interactions cannot be ruled out entirely.
- If a serious incident occurs within the EU in connection with this
 medical device, it must be reported to the manufacturer and the
 competent authority of the Member State in which the user/patient
 is established.

Overview SLK Carry

Shown are the SLK Carry 185 Pro models (picture at the top) and Pro e (picture at the bottom). Color and optics of other models might differ slightly.



Type Label Information



The Manufacturer is SLK Vertriebsgesellschaft mbH.



Date of Manufacture (e.g.: 06/2020)

SN

Serial Number (e.g.: **8002U12345**)

4-digit article ID, letter, 5-digit unique number for identification and traceability.



Medical Device

with European Declaration of Conformity



Use only **indoors**.

Protection type: Double Protective Insulation

IP 24

IP = Ingress Protection DIN EN 60539

Ingress Protection against Solid Objects Level 2

 $(\geq \emptyset 12.5 \text{ mm})$

Ingress Protection against Liquids Level 4

(spray water from all sides.)

32 W

The **Power Consumption** from the grid

during charging is 32 Watt.

max. xxx kg

Safe Working Load (For weights in st or lbs look at page 6)



Observe the User Guide.

2 min. ON, 18 min. OFF Intermittent Duty:

After 2 minutes operating time of the electrical system, a break of 18 minutes must follow to prevent damage on the electrical components.

Hoist Slings

The following **SLK hoist slings** are provided on the **SLK Carry Patient Hoists**:

- SLK Universal Sling Eco (size M/L)
- SLK Universal Sling (sizes XXS to 4XL)
- SLK Universal Sling with Headrest (sizes XXS to XXL)
- SLK Universal Bathroom Sling (sizes XXS to 4XL)
- SLK Universal Bathroom Sling with Headrest (sizes XXS to XXL)
- SLK Quick Transfer and Toilet Sling (sizes XXS to XL)
- SLK Toilet Sling (sizes S to 4XL)
- SLK Hammock Universal Sling (sizes S to 4XL)
- SLK Hammock Bathroom Sling (sizes S to 4XL)
- SLK Hammock Seat Pan Sling (sizes XXS to 4XL)
- SLK Comfort Lying Sling (sizes S to XXL)
- SLK Comfort Lying Bathroom Sling (sizes S to XXL)
- SLK Back-Fix Sling (sizes S to XL)
- SLK Back-Fix Bathroom Sling (sizes S to XL)
- SLK Maxi Sling (sizes XXL to 4XL)
- SLK 8-Point Lying Sling (one size)

More information, a size table and article IDs for the **SLK hoist slings** can be found in our full catalogue or on our website at **www.slk-gmbh.de**. You can find the slings and their article IDs in the product area for **patient lifting systems**.

Accessories

The **SLK Carry Patient Hoists** are delivered by standard including one **SLK 2-point spreader bar**.

The following accessories can be used optionally:

•	8-Point Spreader Bar 185	Article ID 8062
•	4-Point Spreader Bar X	Article ID 8060
•	4-Point Spreader Bar H	Article ID 8064
•	4-Point Spreader Bar Compact H	Article ID 8095
•	SLK Impact Protector for Lifting Arm	Article ID 5464
•	SLK Extension Loops	Article ID 5719
•	SLK Hoist Scale 300 kg	Article ID 5186
•	SLK Calibratable Hoist Scale 300 kg	Article ID 5183
•	SLK Charger Type I	Article ID 8633
•	SLK Charger Type II	Article ID 8450
•	SLK Charging Station Type I	Article ID 8634
•	SLK Charging Station Type II	Article ID 8454
•	SLK Charging Station with Charger Type II	Article ID 8390
•	SLK Battery Pack 3,25 Ah Type I	Article ID 8632
•	SLK Battery Pack 2.9 Ah Type II	Article ID 8441
•	SLK Battery Pack 5.0 Ah Type II	Article ID 8442
•	SLK Weight Test Trolley up to 220 kg	Article ID 5470

In any combination, always note the safe working load! Accessories and hoists can have different carrying capacities. The lowest carrying capacity is always binding!

A list of **figures and spare parts** and the related **article ID** can be found on **pages 40 - 42**.



- Mast with Lifting Arm, Drive System and Hand Control
- Battery Pack
- Base
- 2-Point Spreader Bar
- Pusher Bar,
 4 Screws
 and Allen Key
- Charger
- User Guide
- Final inspection label

Assembly Unpacking

The SLK Carry 185 Classic / Classic e / Pro / Pro e / Pro L / Pro L e and SLK Carry Compact Patient Hoists can be fully assembled without additional tools.

- **Open** the box and, if possible, hold on to it in case you want to put the product into storage.
- Undo the cable ties. To be safe, use a cutter or scissors but not a knife!
- Extract the unit comprising of the lifting arm and the mast and put them aside.
- Take the base out of the box. While you do so, have a second person help you or use lifting gear.
- Engage both brakes on the rear casters.
 (Fig. 2)

Brake function

Assembly

Bolts with SL Clips

The **SLK Carry Patient Hoists** are fitted with bolts on the mast shoe, actuator and on the connecting part between the spreader bar and the lifting arm.

Bolts with SL clips.

This enables **assembly and disassembly** of these components **without the use of tools**.

- View in assembled condition. The SL clip can be turned easily. (Fig. 3)
- **Bend** the front tab **outward** over the contour of the bolt. **(Fig. 4)**







- Slide the SL clip with bent tab out of the groove. (Fig. 5)
- The bolt can now be removed.

Assembly

Installation of the Mast









Information on bolts with SL clips: at the top.

- Remove the M 12 screw with the orange clamp lever and the 12 mm bolt with SL clips from the mast shoe (Fig. 6) and place the parts within reach next to the base. (Fig. 7)
- Stand behind the hoist and put the mast (lifting arm base facing front) into the mast shoe of the base and hold it until both bolts are installed.
- Align the mast with the upper, front hole in the mast shoe and insert the M 12 screw to the stop from the left. Screw on the orange clamp lever onto the M 12 thread but do not fasten it yet.
- Insert 12 mm bolt into the bottom hole and push them through completely (if needed, move the mast slightly), secure with the SL clip. (Fig. 8)
- Now fasten the orange clamp lever tightly with both hands and, if necessary, pull it out slightly and tilt it downward. (Fig. 9)

A 19 mm wrench is needed for the **SLK Carry 185 Eco**.

- The assembly is done analogously to the description above. The orange lever is replaced here by an M 12 cap nut.
- To loosen and fasten the cap nut, use a 19 mm wrench. (Fig. 10)



Assembly

Installation of the Pusher Bar

- **Take** the pusher bar out of the blister film.
- Determine a good height for the user.*
- Screw the handle firmly onto the mast with the four screws, using the Allen key that is part of the delivery. (Fig. 11)



*Only one height is provided for the SLK Carry 185 Eco / Classic / Classic e and SLK Carry Compact models.

Assembly

Installation of the Spreader Bar

Information on bolts with SL clips: Page 17.

- Remove the hoist bolt with Teflon washer from the end of the lifting arm.
- Slide it through the middle of the spreader bar from the bottom to the top and mount it back onto the lifting arm. (Fig. 12)



Assembly

Installation of the Hoist Actuator





Information on bolts with SL clips: Page 17.

- Swivel the lifting arm up and place it onto the shoulder. (Fig. 13)
- Remove the actuator and the SL clip of the 10-mm bolt from the upper end of the thrust rod.
- Pull out the bolt.
- Insert the yoke of the actuator into the U-lug on the lifting arm. (Fig. 14)
- Mount it with a bolt and SL clip.

Assembly

Functions Test

- Unlock the emergency-stop button (Fig. 13) by turning it clockwise (page 23) to test the function of the SLK Carry.
- By pressing and holding down the Button A on the Hand Control, move up once to the upper limit switch and move it down again to the bottom limit switch by pressing and holding down Button B. (Page 24/25)
- Charge the hoist **fully** for use. **(Page 22)**

Folding the SLK Carry

The **SLK Carry Patient Hoists** can be folded up **without tools**. This makes it easy to push the hoist including spreader bar, and it saves space when you lean it on a wall. *(Fig. 60, page 38)*

- Expand the base and activate the brakes on the rear casters.
- Stand between the hoist feet, facing the mast. Place the lifting arm on one of your shoulders. (Fig. 15)
- **Disconnect** the actuator from the lifting arm. (*Page 20*)
- Retract the actuator completely and fasten it with cable ties on the side of the mast. (Fig. 16)
- Swivel down the lifting arm, fold in the spreader bar toward the lifting arm and fasten both on the mast with a cable tie. (Fig. 17)
- Loosen the orange clamp lever by about one rotation.
- Remove the SL clip from the 12 mm bolt.
 Hold on to the mast with one hand and pull out the 12 mm bolt with the other hand
- Swivel the mast down until the second hole for the folded assembly appears at the mast shoe hole. (Fig. 18)
- Push in the 12 mm bolt through here and **secure** it with the **SL clip**.
- For transport, *please see page 36*.









Charge the battery pack fully before first use.









- To charge the battery pack, the emergency-stop button must be released. (Page 25)
 When the emergency-stop button is pressed down, the charging operation
- Open the silicon stopper and connect the charger with the control box. (Fig. 19)

will not work.

- The collar of the plug must be flush with the housing. (Fig. 19)
- Plug the power plug of the charger into a socket. Please notice the safety information on pages 10 and 11.
- During charging, the LED on the charger will be lit in orange. The display changes to green as soon as at least 80% of the charged condition is reached (Fig. 21). The batteries should never be completely discharged because this can cause damage to them. The charging time is approx. 4 hours. It is a good idea to charge the battery pack overnight. It is protected against overcharging.
- The actuators of the SLK Carry do not function during the charging operation.
- To charge the battery pack, the SLK charging station (Fig. 22) also can be used.
 See page 15 for accessories.

To extract the **battery pack**, proceed as follows:

- Put your hand into the recessed grip and press the unlocking button up. (Fig. 23)
- Pull the battery pack towards you.



Use

Emergency-Stop Button

Using the **emergency-stop button**, the lifting or lowering movements of the **SLK Carry Hoist** can be stopped instantly **if there is danger**.

- To do so, press the red knob down. When the danger is removed, release the emergency-stop button by turning it clockwise. (Fig. 24)
- If the hoist is to be transported or put into storage always press the emergency-button downward. This is how unintentional movements on accidental activation of the Hand Control are avoided.



Use

Emergency Lowering

If the Hand Control is defective, the **electrical emergency lowering function** can be triggered by means of the control box **(arrow down)**. If the control box or the battery pack or the Hand Control are defective, the **SLK Carry Patient Hoist** can also be **lowered manually**:

 Press the red ring on the upper end of the thrust rod down and turn it clockwise. This lowers the lifting arm. (Fig. 25)



Use Brakes





The brakes of the SLK Carry Universal Patient Hoist are installed on the rear casters. Always use both brakes to brake the hoist.

- Step from the top onto the brake pedal until it locks. (Fig. 26)
- Release the brake by lifting the brake pedal again with the tip of your foot or by tapping it horizontally with the tip of your foot. (Fig. 27)

Use Hand Control

Depending on the model and drive type, your **SLK Carry Patient Hoist** is equipped with either a **Hand Control Type I** (*Fig. 28*) or a **Hand Control Type II** (*Fig. 29*). (*Page 25*)

Hand Control Type II is always combined with Control Box Type II. Hand Control Type II is always combined with Control Box Type II.

Compare the figures to your hoist to find the matching instruction.

The buttons of both Hand Controles work **by tapping on them**. When the **button is pressed and held down**, the respective motor moves and when it is released, **the movement** of the lifting arm or base expansion stops.

The Hand Control can be fastened on the backside on all steel parts of the hoist by means of an **integrated magnet**. The Hand Control of the **SLK Carry 185 Eco** is equipped with a **hook**.

Hand Control Type I

Overload Symbol: Safe working load exceeded -

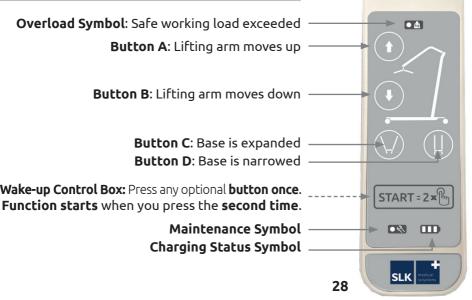
Button A: Lifting arm moves up

Button B: Lifting arm moves down

Button C: Base is expanded -**Button D**: Base is narrowed

Wake-up Control Box: Press any optional **button once**.

Maintenance Symbol — Charging Status Symbol -



Hand Control

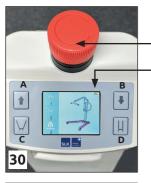
Type II

Overload Symbol: Safe working load exceeded **Button A**: Lifting arm moves up **Button B**: Lifting arm moves down **Button C**: Base is expanded **Button D**: Base is narrowed **Charging Status Symbol** SLK medica

29

Use Control Box

The **SLK Carry Patient Hoists** can also be operated by tapping on the control box. Your hoist is equipped with a **control box type I** (*Fig. 30*) or **type II** (*Fig. 31*). Compare the figures to your hoist to find the matching instruction



Control Box

Type I

Emergency-Stop Button

Charging Status Symbol (while display is active)

Button A: Move lifting arm up **Button B**: Move lifting arm down

Button C: Expand base **Button D**: Locking the base



Control Box

Type II

By **pressing** one of the two **buttons A or B quickly** (< 0.5 sec.), the **next menu item** is called up.

The display shows the symbol for the function that is currently active. (Fig. 32-34)

By pressing the buttons A or B longer (> 0.5 sec.), the respective motor moves.







1. Lifting Arm (Fig. 32)

Button A: Move lifting arm up **Button B**: Move lifting arm down

2. Base Expansion (optional) (Fig. 33)

Button A: Expand base **Button B**: Locking the base

3. Charging Status Symbol (Fig. 34)

Use Lifting Arm

To move the lifting arm on your **SLK Carry Patient Hoist**, you can use either the Hand Control or the control box.

Operation by Hand Control Type I

- Press any optional button (A, B, C or D) to wake up the control box. (Page 25, at the top)
- Press and hold down button A to move the lifting arm up. (Fig. 35)
- **Press and hold down button B** to move the lifting arm down. **(Fig. 35)**

Operation by Hand Control Type II

- Press and hold down button A to move the lifting arm up. (Fig. 36)
- Press and hold down button B to move the lifting arm down. (Fig. 36)

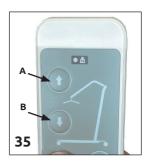
Operation by Control Box Type I

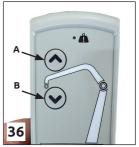
- Press and hold down button A to move the lifting arm up. (Fig. 37)
- Press and hold down button B to move the lifting arm down. (Fig. 37)

Operation by Control Box Type II

Select the desired function by **pressing button A or B quickly** (< 0.5 sec.) *(Fig. 32/33)*

- Press and hold down button A to move the lifting arm up. (Fig. 38)
- Press and hold down button B to move the lifting arm down. (Fig. 38)



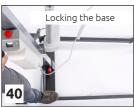


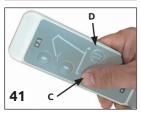




To **improve stability** and simplify **access** to wheelchairs and other seats, the bases of the **SLK Carry Patient Hoists** are equipped with feet that can be expanded by means of a pedal or electric drive depending on the model.











Manually by Pedal

- Step on the left side of the pedal in driving direction to expand the base. (Fig. 39)
- Step on the right side of the pedal in driving direction to retract the base again. (Fig. 40)

Electrically by Hand Control Type I

- Press any button to deactivate the standby mode.
- Press and hold down button C to expand the base. (Fig. 41)
- Press and hold down button D to retract the base. (Fig. 41)

Electrically by Hand Control Type II

- Press and hold down button C to expand the base. (Fig. 42)
- Press and hold down button D to retract the base. (Fig. 42)

Electrically by Control Box Type I

- Press and hold down button C to expand the base. (Fig. 43)
- Press and hold down button D to retract the base. (Fig. 43)

Electrically by Control Box Type II

Select the desired function by **pressing button A or B quickly** (< 0.5 sec.) *(Fig. 33)*

- Press and hold down button A to expand the base. (Fig. 44)
- Press and hold down button B to retract the base. (Fig. 44)



Use

Charging Status Symbol

The LEDs of the charging state symbols on the Hand Control or in the display of the control box **show the charging status during operation**.

1 bar = charging required

2 bars = battery pack has medium charge

3 bars = battery pack if fully charged

When the **display switches to red**, the started lifting process can still be completed, **but the battery pack must be charged afterwards**. *(Page 22)*

Use

Overload Symbol

If the **permissible safe working load** (type label) is exceeded, the **overload symbol** lights up. **Immediately discontinue** the lifting process and use a hoist with a higher safe working load.

Use

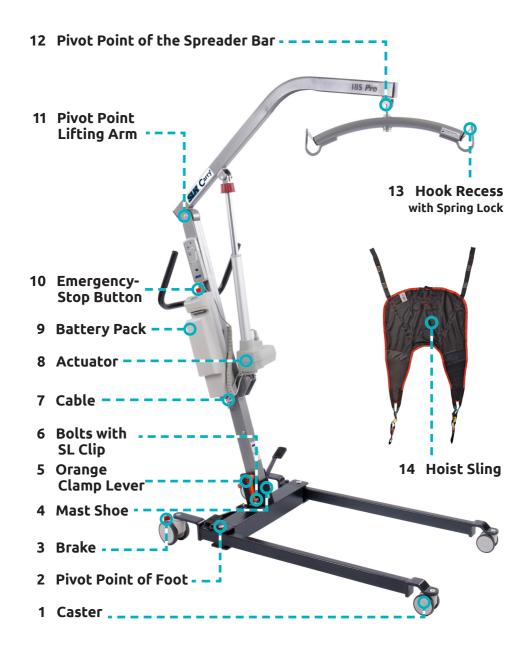
Maintenance Display

If the **maintenance display** on the control box or Hand Control type I lights up, contact your authorized dealer **immediately**.

A visual inspection should be done before each use. To do so, work off the points on the checklist one by one. If you practice this procedure routinely, your attention to discrepancies from the normal state will be sharpened. You can assure yourself of the safe condition of the SLK Patient Hoist before each use in a minimum of time. This will improve your own safety as well as the safety of the patient.

- 1. Are all four casters fastened firmly and do they turn easily?
- 2. Are **both feet** screwed on firmly on their pivot points?
- 3. Do the brakes work on the right and left?
- **4.** Is the **mast shoe** of the mast undamaged?
- 5. Is the **orange clamp** lever fastened firmly on the mast?
- **6.** Is the **bolt** below the lever in its place and secured with the **SL clip** (page 16)?
- 7. Are all cables undamaged and connected with the control box?
- **8.** Is the **actuator** mounted correctly **at the top and bottom**?
- **9.** Is the **battery pack** charged sufficiently and without damage?
- **10.** Is the **emergency-stop button** unlocked and does the **hoist drive** work?
- 11. Is the **pivot point of the lifting arm** fastened in the same way as before?
- **12.** Is the **pivot point of the spreader bar** mounted correctly and secured with the **SL clip** (page 16)?
- **13.** Are the **hook recesses on the spreader bar** undamaged and free from deformations and cracks? Are the **spring locks** present?
- **14.** Is the **hoist sling** free from cracks and are the stitches undamaged?

Use the patient hoist only if all points are ok. In case of deviations or uncertainty, please contact your authorized dealer.



Patient Transport Lifting a Patient in Seated Position











- Lock the brakes of the wheelchair; keep the brakes of the expanded patient hoist released.
- Put the hoist sling (e.g. SLK Universal Hoist Sling) deeply between the backrest and the patient. If possible, the patient should bend forward in the process. (Fig. 45)
- Then pull the leg loops one-by-one under each leg from the outside to the inside (Fig. 46). Pull one leg loop through the bottom loop of the second loop.
- Stand sideways next to the patient, hold on to the spreader bar while you pull the hoist towards you.

2-Point Spreader Bar

First, hook in the upper body slings straight and then the leg slings crosswise. (Fig. 47)

4-Point Spreader Bar

Hook in the **upper body slings straight** into the hooks **of one long side** of the spreader bar. Hook in the **leg slings crosswise** into the hooks **on the other side**. *(Fig. 48)*

8-Point Spreader Bar

For the correct use of the 8-point spreader bar (Fig. 49) and the related 8-point lying belt, please observe the corresponding user guide.

- Notice the **user guide** of the **hoist sling** that is used.
- Align the hoist sling in the manner so that **all loops stay hooked in** during the lifting and **tension roughly simultaneously.**

Patient Transport Lifting a Patient in Supine Position

It is possible with the **SLK Patient Hoists** to lift patients in **supine position from their bed** or the **floor** and to **lower them to floor level**

- Turn the patient in supine position away
 from you to the body side. Place, e.g.,
 the SLK Universal hoist sling, double
 folded about two centimeters behind the
 patient's back, roughly at the height of
 the middle of the buttocks and the
 shoulder. (Fig. 50)
- Turn the patient's back into supine position on the hoist sling and then roll him or her in your direction onto his or her side.
- Unfold the hoist sling, spread it on the mat and roll the patient back on his or her back. (Fig. 51)
- Move the expanded SLK Patient Hoist with brakes released over the patient's center of gravity from the head side, so that the spreader bar is within reach for the belt slings. (Fig. 52)

2-Point Spreader Bar

Pull the **leg loops from the outside to the inside** underneath the patient's legs and then hook these loops **first straight** into the hooks. *(Fig. 53)*



















Then hook in the **upper body loops** of the hoist sling **straight** as well into the hooks. *(Fig. 54)*

4-Point Spreader Bar

Here, the upper body loops are hooked in straight into the hooks on a long side of the spreader bar. The leg loops are hooked in straight (not crosswise) into the hooks on the opposite side. (Fig. 55)

8-Point Spreader Bar

For the correct use of the 8-point spreader bar (Fig. 56) and the related 8-point lying belt, please observe the corresponding user guide.

- Align the hoist sling in the manner so that all loops stay hooked in during the lifting and tension roughly simultaneously.
- During lifting, support the patient's head.
 (Fig. 57)
- Notice the user guide of the hoist sling that is used.

Transfer and Lowering

- Be sure to check before the lifting that no slings and loops are entangled under the hoist's feet.
- Hoist up the patient always only as much as needed.
- The patient is to be preferably transferred forward in driving direction by using the pusher bar. (Fig. 58)

- In doing so, please observe the safety information on pages 9 11.
- The patient is **lowered** in the **reverse order** as lifting and it can be done **down to floor level**.

Troubleshooting				
Fault Description	Cause	Remedy		
Hoist does not lift/lower	Emergency-stop button is activated	Turn emergency-stop- button clockwise		
Hoist does not lift/lower	Charger connected	Disconnect hoist from the charger		
Hoist does not lift/lower	Battery pack not inserted correctly or empty	Lock in battery pack correctly, charge with charger if needed		
Hoist does not lift/lower when activating the Hand Control, control box buttons respond	Hand Control cable not plugged in correctly or Hand Control defective	Plug in Hand Control cable to the stop or replace Hand Control		
Hoist does not lift/lower	Motor cable not plugged in correctly	Plug in motor cable to the stop		
Hoist does not lift/lower	Actuator overloaded (overheating protection)	Let the actuator cool down		
LED of Hand Control lights up orange-red	Low charging level	Charge battery pack		
Actuator makes unusual noises	Defect of actuator	Take hoist out of operation, contact authorized dealer.		
Warning on the control box display	Low charging level	Charge/replace battery pack		
Maintenance indicator control box/Hand Control	11,000 lifting cycles have been exceeded	Replace device		

If you cannot identify/remedy the fault, contact your authorized dealer. The dealer receives support from the **SLK Hoist Service**.

Transport

If the SLK Carry is to be transported, press the emergency-off button. (Page 23) The SLK Carry Patient Hoists can be folded without tools (page 21). When folded up, they fit into a station wagon.



It is possible to push the **complete hoist** including the spreader bar like a trolley in front of you. *(Fig. 59)*

If the hoist cannot be transported in one piece to the place of use, it is possible to disassemble it into **assembly groups** each of which has **low weight**. They can then be carried relatively easily.

The **SLK Carry Patient Hoists** can be disassembled **without tools** (for the **SLK Carry 185 Eco** you need a **19 mm wrench**) into the following assembly groups/components: **(Page 16, Fig. 1)**

- Mast (with Lifting Arm, Drive and Control Box)
- Battery Pack
- Base
- Spreader Bar

Please note the **transport conditions** below.

Transport and Storage Conditions			
Environmental Conditions	For Use	For Transport and Storage	
Ambient Temperature	+10°C to +40°C 50°F to 104°F	-10°C to +50°C 14°F to 122°C	
Relative Humidity	30% to 75% (non-condensing)	30% to 75% (non-condensing)	
Air Pressure	86 kPa to 106 kPa	86 kPa to 106 kPa	

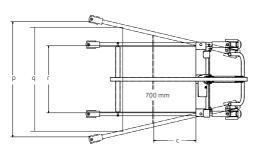
Technical Data/Dimensions

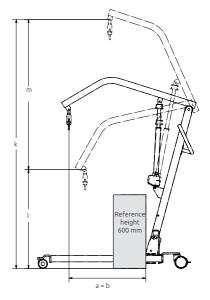
SLK Carr	SLK Carry		185 Classic	185 Classic e	185 Pro	185 Pro e	185 Pro L	185 Pro L e	Compact
Length		118 cm	118 cm	118 cm	115 cm	115 cm	115 cm	115 cm	103 cm
Width		61 cm	61 cm	61 cm	64 cm	64 cm	64 cm	64 cm	56 cm
Total hei	ight	137 cm	137 cm	137 cm	137 cm	137 cm	135 cm	135 cm	124 cm
Height o	f feet	11 cm	11 cm	11 cm	11 cm	11 cm	9 cm	9 cm	8.5 cm
Caster d	iameter f/r	7.5 / 10 cm	7.5 / 10 cm	7.5 / 10 cm	7.5 / 10 cm	7.5 / 10 cm	7.5 / 10 cm	7.5 / 10 cm	7.5 / 10 cm
Lifting h	eight	81 - 203 cm	81 -203 cm	81 -203 cm	81 -203 cm	81 -203 cm	79-201 cm	79-201 cm	81-175 cm
Base exp	oansion	51 - 94 cm	51 - 94 cm	51 - 94 cm	51 - 94 cm	51 - 94 cm	51 - 94 cm	51 - 94 cm	45 - 78 cm
Turning I	radius	132 cm	132 cm	132 cm	130 cm	130 cm	130 cm	130 cm	115 cm
Total we	ight	37 kg	37 kg	38 kg	38 kg	39 kg	38 kg	39 kg	33 kg
Base wei	ight	18 kg	18 kg	18 kg	18 kg	18 kg	18 kg	18 kg	15 kg
Mast we	ight*1	17 kg	17 kg	17 kg	17 kg	17 kg	17 kg	17 kg	15 kg
Safe wor	king load	185 kg	185 kg	185 kg	185 kg	185 kg	185 kg	185 kg	160 kg
Power co	onsumption	32 W	32 W	32 W	32 W	32 W	32 W	32 W	32 W
Charger Alternat	input ing current	110-240V 50-60 Hz /1A	110-240V 50-60 Hz / 1 A	110-240V 50-60 Hz / 1 A	110-240V 50-60 Hz/1A	110-240V 50-60 Hz / 1 A	110-240V 50-60 Hz /1A	110-240V 50-60 Hz / 1 A	110-240V 50-60 Hz / 1 A
Charger Direct cu		24 V / 1.5 A	24 V DC / 1.5 A	24 V DC / 1.5 A	24 V DC / 1.5 A	24 V DC / 1.5 A	24 V DC / 1.5 A	24 V DC / 1.5 A	24 V DC / 1.5 A
Standby		0.5 W	0.5 W	0.5 W	0.5 W	0.5 W	0.5 W	0.5 W	0.5 W
Operation	ng noise	55 dB(A)	55 dB(A)	55 dB(A)	55 dB(A)	55 dB(A)	55 dB(A)	55 dB(A)	55 dB(A)
Lifting	120 kg	116 s	65 s	65 s	65 s	65 s	65 s	65 s	65 s
cycles (time)	Max. load	128 s	68 s	68 s	68 s	68 s	68 s	68 s	68 s

^{*1} with lifting arm, drive, control box, and 2-point spreader bar without battery pack

See page	7 for	further	reference	data.
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SLk	Carry	185 Eco, Classic / e, Pro / e	185 Pro L / e	Compact
а	Maximum reach at 600 mm	624 mm	624 mm	411 mm
Ь	Maximum reach from the base	624 mm	624 mm	411 mm
с	Reach at 700 mm expansion	338 mm	338 mm	505 mm
k	Max. height of CSP	2025 mm	2005 mm	1752 mm
l	Min. height of CSP	804 mm	784 mm	815 mm
m	Lifting range	1223 mm	1223 mm	940 mm
Р	Max. inner width	922 mm	922 mm	777 mm
q	Inner width at maximum reach	835 mm	835 mm	630 mm
г	Min. inner width	537 mm	537 mm	490 mm





Cleaning

Use a damp cloth to clean your **SLK Carry** with a **mild cleaning agent** such as a household cleaner.

The charger must be unplugged from the socket for cleaning and disinfection!

For **wiping disinfection**, use **approved cleaning agents** for medical devices. In doubt browse the websites of your local authorities for more information.

Three examples of generally suitable disinfectants recommended by the *German* authorities:

- **hygienicVIRUZID** of Hagleitner Hygiene
- Melsitt of B. Braun
- **Optisept** of Dr. Schumacher

Storage

To prepare the **SLK Carry** for storage, first fully charge the battery pack and press the **emergency-stop button**.

Charge the battery pack regularly during the period of storage, whereas at least every 3 months. This way, it will be ready for use immediately when needed.



For short-term storage, the hoist can be folded *(page 21)*, placed on the rear casters with **brakes engaged** and leaned against a wall to save space. *(Fig. 60)*

The best protection for the **SLK Carry Hoist** against dust and similar influences is provided by packing it in the original box.

For this, the hoist must be retrofitted to its condition as delivered (page 16). Please notice the storage conditions. (Page 36)

Maintenance

The useful life and safe use of the **SLK Carry Patient Hoists** depend quite essentially on the **regular performance of maintenance**. Defects or signs of wear can be detected and repaired in the course of the maintenance service.

- Perform and document the annual maintenance of your SLK Patient Hoist including functions test with safe working load at regular intervals.
- Maintenance may only be performed and documented by qualified trained personnel.
- The maintenance must also be performed and documented **for each commissioning** (e.g., reuse) and **after each repair**.
- In this context, please see the standard DIN EN 62353 "Medical electrical equipment. Recurrent test and test after repair of medical electrical equipment", which applies to the operator.
- **Do not** recommission the patient hoist if one of the rows in the maintenance plan **cannot be checked-off with O.K.** Append a **clearly visible sign** on the hoist and **remove the battery pack** from the place of use to safely decommission the patient hoist.
- Have the fault repaired by **trained personnel**.
- You can find the maintenance plan (status 10/2023) on pages 40 and 41.
- To fill out the respectively current maintenance plan, print it out from the SLK website www.slk-gmbh.de. You can find it in the download area.

Maintenance Plan SLK Carry Product Family

☐ SLK Carry 185 Eco

☐ SLK Carry 185 Classic

☐ SLK Carry 185 Classic e



Wellell Group

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GSLK Medizintechnik



□ SLK Carry 185 Pro □ SLK Carry Compact

Serial number: □ Date of manufacture: □ / □ □

☐ SLK Carry 185 Pro e

☐ SLK Carry 185 Pro L

☐ SLK Carry 185 Pro L e

Please use the current maintenance plan from the SLK website www.slk-gmbh.de (download area) for documentation. Obiect Remarks Pos. on: 1 Hoist in original condition Compatibility certificate for accessory and device combinations is available 3 User guide available Type labels present and legible · turn easily tacintanence plan from

bree long hole

sp) pivotable by 360° undamaged Casters · Fastening screws tightened firmly · Brakes in functional condition • Rase Welding seams Mast Motor brackets Spreader bar No surface damage or corrosion 7 Function of the base expansion works easily Bolt with SL clip in proper condition (replace in case if marks are present) · between the base and mast · between the mast and lifting arm Screws (100 Nm tightening torque) tightened firmly · between the base and feet (100 Nm tightening torque) Hoist bolt with collar for the spreader bar has a collar height of 11 min. 4 mm. Double check the measurement with a slider gauge and enter it under "Remarks". Teflon washer is present between the hoist bolt and the spreader bar, min. 1 mm thickness or replace otherwise Folding mechanism is functional 13 Pusher bar is screwed on Spring locks and plugs present on spreader bar

Serial	number	:					

os.	Object	ок	not OK	Remarks	Repaired on:
lectr	ical system				
16	All cables undamaged and connected				
17	Emergency-stop button present and functional (no function while emergency-stop button is pressed, reactivation only by turning)				
18	Charger is present and undamaged, Connections clean, orange control lamp during charging				
19	Charging function available				
20	No lift function during charging				
21	Tipping operation of the hand control works (releasing the hand control stops the lift operation)				
22	Hand control including cable and strain relief are undamaged, control lamps work (if present)			- Marie	and land
23	Seal ring present on the plug of the hand control			manteous	
24	Control box screwed on tightly	کے کے	mal l		
25	Hand control including cable and strain relief are undamaged, control lamps work (if present) Seal ring present on the plug of the hand control Control box screwed on tightly Battery pack without external damage or deformation, locking of the battery pack without external damage or deformation, locking of the battery pack without external damage or deformation, locking of the battery pack without external damage or deformation.	કુ હ			
26	Electrical control by means of the control by work the control by				
27	rdicagn S - Monction				
28	G Lumit switches function				
	(drive switches off at the top and bottom)				
29	No remarkable noises in the drive motor				
30	Mechanical emergency lowering works				
31	Grease deposits removed from the thrust rod				
32	Electrical base expansion works (if present)				
33	Test of the entire lifting cycle pursuant to EN 10535 Annex B1 with the maximum nominal load of the hoist				
	The patient hoist can be used.				
٦.	The patient hoist must be serviced before reuse.				
	A corresponding label has been appended. The per	SOD F	senoneil	ole has been infor	med and
	hereby confirms this with their signature:	2011 16	saponan	ve iiga neeli illi Ol	ined and

	The patient hoist can be used.	
	The patient hoist must be serviced before A corresponding label has been appended. hereby confirms this with their signature:	reuse. The person responsible has been informed and
Position	of the responsible person:	Name in printed letters:
Date:		Signature of tester:
Next se	rvicing:	Name in printed letters:
	All defects have been repaired profession	ally. The patient hoist can be used.
Date:		Signature of tester:
Next ser	rvicing:	Name in printed letters:

Conformity

The Universal Hoists SLK Carry 185 Eco

SLK Carry 185 Classic / Classic e

SLK Carry 185 Pro / Pro e

SLK Carry 185 Pro L / Pro L e

SLK Carry Compact

are active medical devices of class 1 according to the Medical Devices Regulation (EU) 2017/745.

The declaration of conformity was prepared pursuant to Section 2, Article 52 (7) and its full text can be requested by our customers at any time.

Applied Standards

All **SLK Carry models** comply with EN ISO 10535:2021 and the requirements of DIN EN 60601-1:2022-11.

Electromagnetic Compatibility (EMC)

The **Universal Hoists of the SLK Carry Product Family** conform to the requirements of DIN EN 60601-1-2:2022-01. This was proven and documented in external tests by accredited testing bodies. We expressly inform that the emitted interference from the drive was measured and approved under safe working load. Our customers can request the EMC certificates at any time.

Warranty/ Guarantee

The warranty and guarantee follows from our current Service Guidelines. These can be requested by our customers at any time.

Useful Life

The useful life of the **SLK Carry Universal Hoist** is 11,000 lifting cycles in accordance with the standard.

The maximum lifespan is 8 years.

Calculation example: If a **SLK Carry** is used for a patient, who requires four lifting cycles per day, each day of the year for care, then the 11,000 lifting cycles will be used up after around seven and a half years.

11,000 lifting cycles = 7.53 years 365 days x 4 lifting cycles

In order to reach the product lifetime of 11,000 lifting cycles, **regular professional maintenance and care** for the Patient Hoist by trained personnel is necessary.



Once the 11,000 lifting cycles are reached, the control box will show the maintenance symbol on the display.

The theoretical useful life of the battery pack is 500 charging cycles. This is on the presumption that they are charged fully and regularly (i.e., every 3 months). The batteries **must never be discharged completely**.

Disposal



The **SLK Carry** must not be disposed of with household waste. Take the electrical components to a collection center for electronics waste and **also dispose of** the rest **separated by materials**.

Article I	Ds of the	e Spa	аге І	Part	S		S	LK Ca	аггу
Us	erguide (EN)	8304	8304	8304	8304	8304	8304	8304	8304
Gebrauchsan		8300	8300	8300	8300	8300	8300	8300	8300
Mode	d'emploi (FR)	8289	8289	8289	8289	8289	8289	8289	8289
			sic	ice		a.		v	
Spare Part*1	Drawing	¹⁸⁵ Eco	185 Classic	185 Class	¹⁸⁵ Pro	185 Pro e	185 Pro L	185 Pro L	Сомрасі
Hoist Comp	onents								
Foot, left		8654	8654	8655	8656	8657	8658	8659	8653
Foot, right	4	8661	8661	8661	8662	8662	8663	8663	8660
Central Tube		8665	8665	8665	8666	8666	8666	8666	8664
Mast		8669	8670	8671	8672	8673	8674	8675	8668
Pusher Bar		8677	8678	8678	8678	8678	8678	8678	8678
Lifting Arm		8680	8681	8681	8682	8682	8683	8683	8679
2-Point Spreader Bar		8053	8053	8053	8054	8054	8054	8054	8689
Pedal		8651	8651	-	8652	-	8652	-	8650
Cinematics	000	-	-	8690	-	8690	-	8690	-

Article I	Ds of th	e Sp		Part	S		S	LK C	аггу
Spare Part*1	Drawing	185 Eco	185 Classic	185 Classice	¹⁸⁵ Pro	185 Pro e	185 Pro L	185 Pro Le	Сотрась
Spreader Rod		8692	8692	8692	8692	8692	8692	8692	8691
Caster, front		8694	8695	8695	8696	8696	8696	8696	8693
Caster, rear		8698	8699	8699	8700	8700	8700	8700	8697
Service Set*2	<i>(</i>)	8704	8704	8704	8704	8704	8704	8704	8704
Drive Comp	onents Typ	e l*³							
Hand Control	F	8636	8636	8635	8636	8635	8636	8635	8636
Charger		8642	8642	8642	8642	8642	8642	8642	8642
Battery Pack		8632	8632	8632	8632	8632	8632	8632	8632
Control Box		8631	8631	8631	8631	8631	8631	8631	8631
Actuator		8637	8637	8637	8637	8637	8637	8637	8637
Base Expander Motor		-	-	8638	-	8638	-	8638	-

Article IDs of the Spare Parts SLK Carr							аггу		
Spare Part* ¹	Drawing	¹⁸⁵ Eco	¹⁸ 5 Classic	¹⁸⁵ Classice	¹⁸⁵ Pro	¹⁸⁵ Pro e	185 Pro L	185 Pro Le	Compact
Drive Comp	onents Typ	e II*³							
Hand Control	P	8446	8445	8539	8445	8439	8445	8439	8445
Hand Control Clip		8456	-	-	-	-	-	-	-
Hand Control Magnet		-	8455	8455	8455	8455	8455	8455	8455
Charger		8451	8451	8451	8451	8451	8451	8451	8451
Battery Pack		8442	8442	8441	8441	8441	8441	8441	8442
Control Box		8443	8444	8538	8444	8538	8444	8538	8444
Actuator		8449	8396	8396	8396	8396	8396	8396	8396
Base Expander Motor		-	-	8322	-	8322	-	8322	-

 $^{^{*1}}$ Each spare part is delivered with the small parts that are required for assembly.

 ^{*2} The service set includes all screws, nuts, stoppers, and other small parts.
 *3 Information on the drive system is given on the relevant type labels.

Notes

we lift you up



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Revision: 004 - 03/2025

If you are an end consumer, please contact your supplier.

@SLK Medizintechnik

o slk_medizintechnik

#workgreen

Article ID of this User Guide is 8304

Visit our website www.slk-gmbh.de.

You can find the current version of this user guide in the download area.

Diese **Gebrauchsanweisung** ist auch in **Deutsch** erhältlich. Ce **mode d'emploi** est également disponible en **français.** Artikel-ID 8300 ID-d'article 8289