



Wellell Group

User Guide SLK Multy Product Family



Basis UDI-DI 426064753AL0100001SY

SLK Multy Aktiv
SLK Multy Aktiv e
SLK Multy Conversion Kit Aktiv



Basis UDI-DI 426064753PL01000013Y

SLK Multy Universal
SLK Multy Universal e
SLK Multy Conversion Kit Universal



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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 production, chemo-thermal 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 blue** primarily address the **operator** (e.g., the medical supply store). Headings highlighted in **dark blue** address the **user** (e.g., the nurse). **Medium blue** means it is intended for **both addressees**.

Contents colored orange are particularly important to safety.

The models of the **SLK Multy 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**.

Concept of the SLK Multy

The **SLK Multy** is a modular hybrid hoist, which can be designed as an **active hoist** and as a **universal hoist**. This is done by attachment of a corresponding lifting arm and optional use of a footboard with shin support.

Our idea behind this is to provide a unique hoist to our customers that can also still be used as a highly functional **active hoist** when the patient still has a given mobility. If needed or when the patient's mobility decreases later on, the same hoist can be converted in **just a few steps** into a **fully fledged universal hoist/patient hoist**. For this purpose, the **SLK Multy Conversion Kit Aktiv** and the **SLK Multy Conversion Kit Universal** are available.

This saves you from buying a second hoist or a new hoist.

The **SLK Multy** has a **telescopic mast** to adjust its **height optimally to the respective function**. The height difference between the upper and the lower position of the mast is 340 mm.

If a **footboard with shin support** and an **lifting arm Aktiv** are attached, the **mast is locked in place at the bottom**, and the hoist can be used effectively as an **active hoist** to erect patients by making good use of a **low lifting arm pivot point**.

If the **lifting arm Universal** and a **spreader bar** are attached, the mast is locked in its **upper position**. The **SLK Multy Universal hoist** then makes good use of a **high lifting arm pivot point** to function as a **patient hoist**.

Besides this, there is a **middle position** for special applications. In this **position**, the hoist can be used as both an **active hoist** for large people as well as a **universal hoist** for particularly small patients and children.

We have received rights protection for the functional principle of the **SLK Multy** under a German utility patent (GPTO No.: 20 2017 003 987).

SLK Multy Product Family

This user guide applies to the following **patient hoists** of the **SLK Multy product family** and the related **conversion kits**:

SLK Multy Aktiv	Article ID	8008
SLK Multy Aktiv e	Article ID	8012
SLK Multy Universal	Article ID	8009
SLK Multy Universal e	Article ID	8013
SLK Multy Conversion Kit Aktiv	Article ID	8011
SLK Multy Conversion Kit Universal	Article ID	8010

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 **both universal models/active models, only SLK Multy Universal/SLK Multy Aktiv** is written; if information is given that applies to **all models**, it is referred to **SLK Multy** in general terms.

Intended Use and Reuse

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

The purpose of the **SLK Multy Aktiv hoists** is to provide **support** for the patient when **getting up, sitting down** and being **transferred** while the hoist is being operated **by a nursing professional**.

The purpose of the **SLK Multy Universal hoists** is providing **support to the nurse** when **changing positions, transferring** and **transporting** patients with restricted mobility inside of their residence.

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

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

Indication

SLK Multy Aktiv

The **SLK Multy Aktiv hoists** are used when the patient suffers from a **loss** and **restrictions of mobility** and is no longer able to sit up or switch seats by themselves. Sufficient body tension and residual mobility is required.

The **recommended body height** for the **SLK Multy Aktiv hoist** is **80 - 210 cm / 2 ft 7 in - 6 ft 1 in.**

Indication

SLK Multy Universal

The **SLK Multy Universal hoists** are used when the patient is **significantly or completely restricted and therefore unable to change their 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.

The **recommended body height** for the **SLK Multy Universal hoist** is **80 - 210 cm / 2 ft 7 in - 6 ft 1 in.**

Contraindication

SLK Multy Aktiv

The application of patient hoists lets forces work on the body of the patient, which **cannot be tolerated by them in all clinical states** (e.g., spinal damages, advanced osteoporosis, unhealed bone fractures). Before every application of the **SLK Multy**, please evaluate the patient and their clinical state closely. **If you have any doubts, please ask the treating physician.** If the patient's body weight exceeds the indicated maximum load, the **SLK Multy** must not be used.

The **SLK Multy Aktiv hoist** is a transfer aid and **not a therapeutic device** for training the patient to stand up or walk on their own.

The SLK Multy patient hoist is not suitable for use by the patient on their own.

Contraindication

SLK Multy Universal

The application of patient hoists lets forces work on the body of the patient, which **cannot be tolerated by them in all clinical states**. Before every application of the **SLK Multy**, please evaluate the patient and their 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 Multy** must not be used.

The SLK Multy patient hoist is not suitable for use by the patient on their own.

Use in Wet Areas

The **SLK Multy 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 aluminum.

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 Multy 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 permissible 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 Multy**, check its readiness for use by means of the **“Daily Use Checklist”**. **(Page 38)** **In case of any irregularities, do not use the hoist and immediately contact your specialized dealer.**
- **The SLK Multy must not be modified in design and only be used with the SLK hoist slings intended for it. (Page 16)** 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 Multy** 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 one is near the hoist** (e.g., children) or pets during the use. They might be put in danger and be injured or themselves 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, hoist them up only as much as needed.** The lower the center of gravity, the greater the tilt stability.

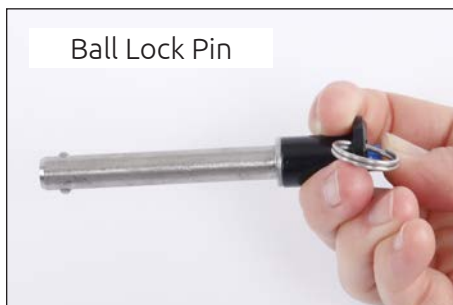
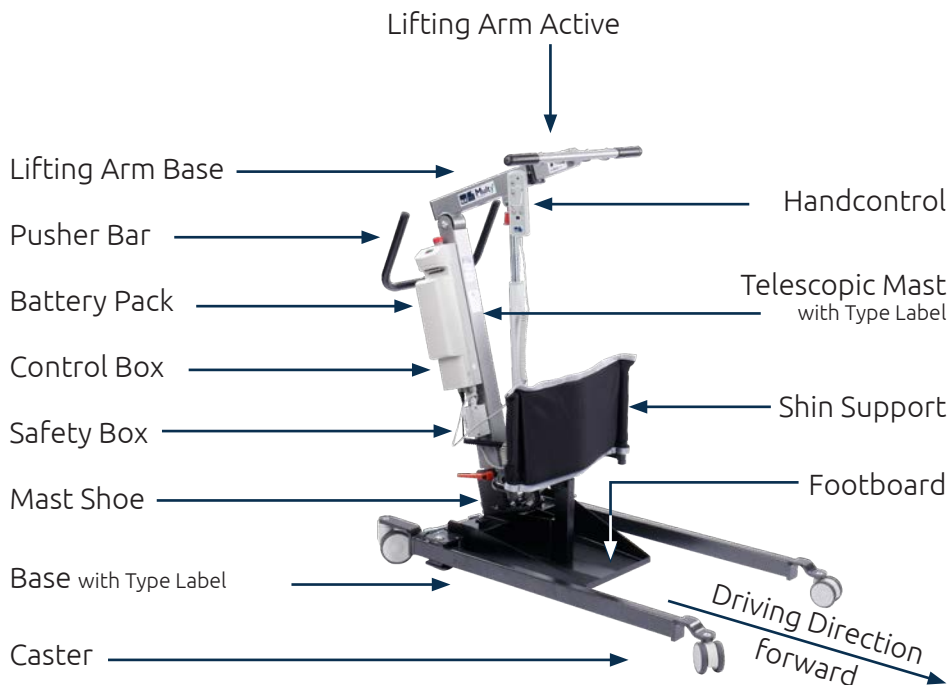
Safety Information

- Move the **SLK Multy** 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 a hoist foot.** The force of the actuator can damage the lifting arm, causing a risk to the patient.
- The **SLK Multy patient hoists** are not suitable for use by the patient on their own.
- This also applies to the **charging of the battery pack** by means of the charger. **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 that does not receive 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.

Overview

SLK Multy Aktiv / Aktiv e

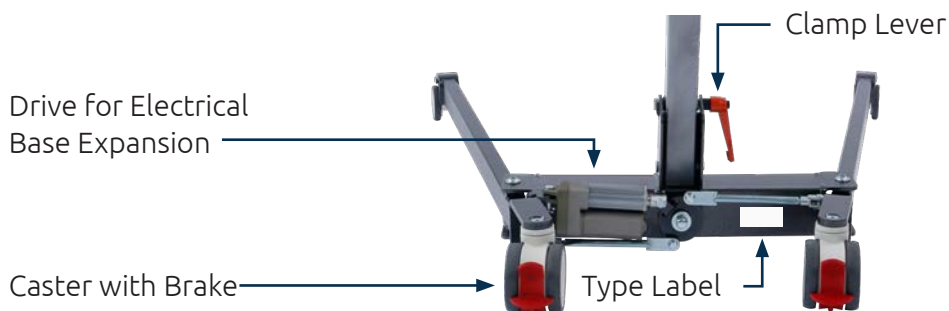
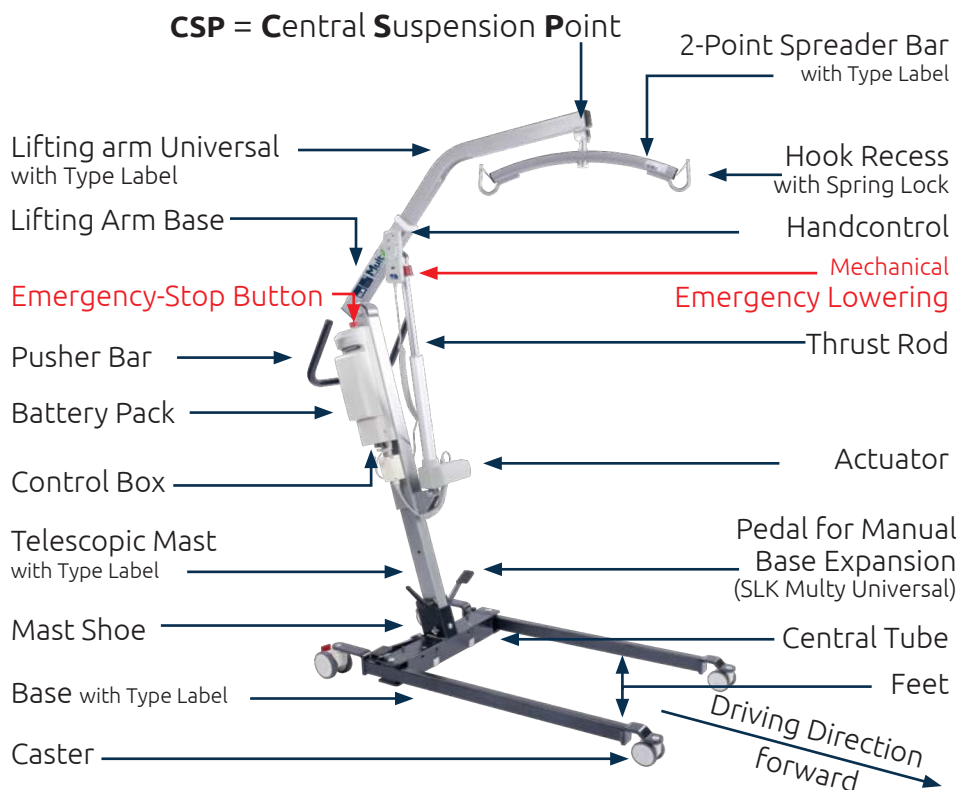
Depending on the model and development stage, your **SLK Multy Aktiv** may slightly differ in color and look from the figure below.



Overview

SLK Multy Universal / Universal e

Depending on the model and development stage, your **SLK Multy Universal** may slightly differ in color and look from the figure below.



Overview

SLK Multy Aktiv Conversion Kit



Overview

SLK Multy Universal Conversion Kit



Type label Information



The **Manufacturer** is **SLK Vertriebsgesellschaft mbH.**



Date of Manufacture (e.g., **06/2020**)



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

4-digit article ID, one 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**
($\geq \varnothing 12.5$ 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 47**)



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.

SLK Hoist Slings for **SLK Multy Aktiv Patient Hoist**:

- **SLK Active Sling Eco (size M/L)**
- **SLK Active Sling (sizes S to XXL)**
- **SLK Special Active Sling (sizes S to L)**
- **SLK Special Active Sling with Seat Swivel (sizes S to XXL)**

The following **SLK Hoist Slings** are provided on the **SLK Multy Universal 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

SLK Multy Aktiv and Universal

- | | |
|---|-----------------|
| • 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 4.4 Ah Type I | article ID 8632 |
| • SLK Battery Pack 5.0 Ah Type I | article ID 8442 |
| • SLK Weight Test Trolley up to 220 kg | article ID 5470 |

Accessories

SLK Multy Aktiv

- | | |
|------------------------|-----------------|
| • SLK Narrow Calf Band | article ID 8094 |
|------------------------|-----------------|

Accessories

SLK Multy Universal

The **SLK Multy Patient Hoists** are delivered by standard including one **SLK 2-Point Spreader Bar**. The following **accessories** can be used optionally:

- | | |
|--|-----------------|
| • SLK 8-Point Spreader Bar 185 | article ID 8062 |
| • SLK 4-Point Spreader Bar X | article ID 8060 |
| • SLK 4-Point Spreader Bar H | article ID 8064 |
| • 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 |

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 56 - 59**.

Scope of Delivery

SLK Multy Aktiv



- Mast with Lifting Arm Base, Drive System and Handcontrol
- Multy Aktiv Hoist Lifting Arm
- Battery Pack
- Base
- Shin Support
- Footboard
- Pusher Bar, 4 Screws and Allen Key
- Charger
- User Guide
- Check Slip

Scope of Delivery

SLK Multy Universal



- Mast with Lifting Arm, Drive System and Handcontrol
- Multy Universal Hoist Lifting Arm
- Battery Pack
- Base
- 2-Point Spreader Bar
- Pusher Bar, 4 Screws and Allen Key
- Charger
- User Guide
- Check Slip

Scope of Delivery SLK Multy Aktiv Conversion Kit

- **Active Hoist Lifting Arm**
- **Shin Support**
- **Footboard, 3 Star-Knob Screws**
- **User Guide**
- **Check Slip**



Scope of Delivery SLK Multy Universal Conversion Kit

- **Universal Hoist Lifting Arm**
- **2-Point Spreader Bar**
- **User Guide**
- **Check Slip**

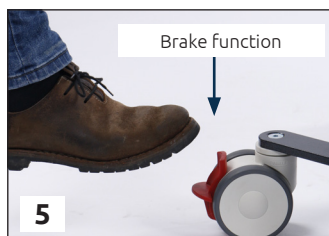


Assembly

Unpacking

The **SLK Multy Aktiv** and **SLK Multy Universal 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 the lifting arm base 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. 5*)





The **SLK Multy Patient Hoists** are fitted with bolts on the mast shoe, drive 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. 6)**



- **Bend** the front tab **outward** over the contour of the bolt. **(Fig. 7)**
- **Slide** the **SL clip** with bent tab **out of the groove**. **(Fig. 8)**
- The bolt can now be removed.



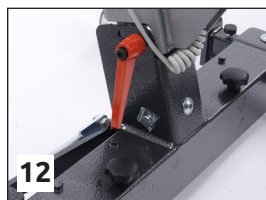
Information on bolts with SL clips: at the top.

- Remove the **M 12 screw** with the **orange clamp lever** and the **12 mm bolt with SL clips** from the mast shoe **(Fig. 9)** and place the parts **within reach next to the base**. **(Fig. 10)**
- 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. 11)
- Now fasten the orange clamp lever **tightly with both hands** and, if necessary, pull it out slightly and tilt it downward. (Fig. 12)



Assembly

Installation of the Pusher Bar

- **Unpack pusher bar** and **screw it firmly** onto the mast with the four screws, using the Allen key that is part of the delivery. (Fig. 13)



Assembly/Conversion

Telescoping the Mast

For the **assembly and conversion** of the **SLK Multy**, the mast **must be telescoped up**.

The mast cannot be telescoped under load.

Information on ball lock pins: page 23.



Telescoping the Mast up

- Stand **behind the SLK Multy** and step with your **left foot** onto the **small left pedal** on the mast. (Fig. 14)
- **Press and hold down** the **button in the middle of the ball lock pin**. (Fig. 15)



- **Pull the bolt** out of the mast. Take your **foot off the pedal** and **take a step back**. The mast is pushed up slowly by a gas pressure spring, much like the lid on the trunk of a car. *(Fig. 16)*



- **Secure** the mast in its **top position** again **by inserting the bolt** in the hole on the mast. It may be required for this to move the outer mast slightly up or down. *(Fig. 17)*

Telescoping the Mast down



- To telescope the mast back into the **lower position**, stand behind the **SLK Multy. Step** with your **left foot** onto the **small left pedal** on the mast and pull out the **ball lock pin**. *(Fig. 18)*



- **Push down** the mast. You can use your hands on the pusher bar to support this. *(Fig. 19)*



- **Secure** the mast in its **bottom position** by **inserting the bolt** in the hole on the mast. To do so, it may be necessary to move the outer mast slightly up or down. *(Fig. 20)*

Proceed in the same manner if you want to fix the mast in place in its **middle position**. *(Page 23, at the top)*

Mast in Middle Position

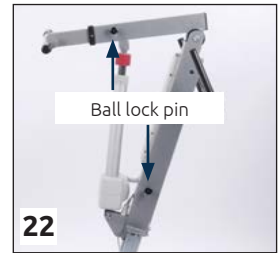
This position is used only in exceptions, e.g., if a very large patient is sat up using the **SLK Multy Aktiv** or when a small patient or child is to be picked up and transported with the **SLK Multy Universal**. (Fig. 21)



Ball Lock Pin

Two ball lock pins of different lengths are installed in your **SLK Multy**. One **4-cm long pin** secures the lifting arm, one **6-cm long pin** secures the mast. (Fig. 22)

- To get the pin out of its fixation, **press the button in the middle**. While you are pulling out or inserting the pin, you must **hold down** the button.



The **correct position** of the ball lock pin on the mast is detected by an electric switch in the **safety box**. It is below the control box. (Fig. 23)

This **safety switch** prevents that the **SLK Multy** is operated even though the mast is not secured correctly with the pin.

If the pin is **missing** (Fig. 24) or if it is **not inserted to the stop** (Fig. 25), the electrical lifting functions are **blocked**. This applies to **all three positions** of the mast.



Assembly/Conversion Installation of the Footboard



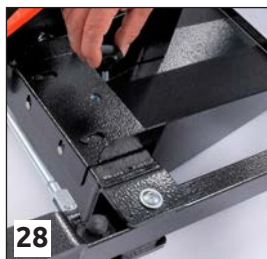
To get space for the assembly of the footboard, **telescope the mast up. (Page 21)**

Take the footboard and hook it into the central tube of the base as follows:



- Approximate the footboard to the mast at an approx. **45° angle. (Fig. 26)**

- Pay attention that the **recesses** in the footboard are aligned **with the pins in the central tube. (Fig. 27)**



- First hang the footboard with the **long holes onto the studs on the backside** of the central tube.
- Then lower the footboard until it is **fitted horizontally on the central tube**. Screw it tightly onto the central tube through the two holes using the two **star-knob screws. (Fig. 28)**

Assembly/Conversion Installation of the Shin Support



- Remove the **star-knob screw**.
- Push the **square tube** of the shin support **into the recess. (Fig. 29)**
- **Fasten** it with the **star-knob screw**. The height of the shin support depends on the length of the patient's legs. **(Page 40)**

Assembly/Conversion Installation of the Lifting Arm

Information on ball lock pins: page 23.

Lifting Arm SLK Multy Aktiv

The **lifting arm Multy Aktiv** may be used **only in combination** with the **footboard** and the **shin support**. The **mast** must be fixed in place for this in the **lower position**. **(Exception: see page 23)**

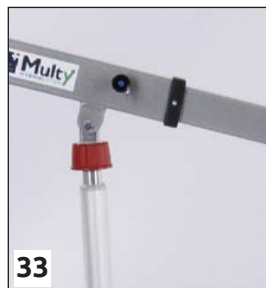
- Push the **SLK Multy Aktiv lifting arm** into the lifting arm base. There are **several possibilities**. Adjust the lifting arm to the patient's needs. **(Fig. 30)**
- **Secure** it with the **4 cm ball lock pin**. **(Fig. 31)**
- To **remove the lifting arm**, remove the ball lock pin and pull the lifting arm out of the hoist arm base.



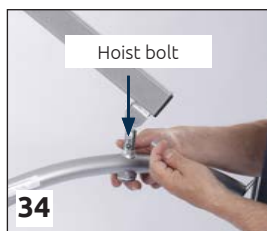
Lifting Arm SLK Multy Universal

The **lifting arm Multy Universal** must not be used **together** with the **floorboard** and the **shin support**. The **mast** must be fixed in place in the **upper position**. **(Exception: see page 23)**

- Push the **SLK lifting arm Multy Universal** into the lifting arm base. **(Fig. 32)**
- **Secure** it with the **4 cm ball lock pin**. **(Fig. 33)**
- To **assemble the lifting arm**, first remove the ball lock pin and pull the lifting arm out of its base.



Assembly/Conversion Installation of the Spreader Bar



Information on bolts with SL clips: page 20.

- 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. 34)**

Assembly Installation of the Actuator



Information on bolts with SL clips: page 20.

- **Telescope** the mast up. **(Page 21)**
- **Swivel lifting arm up** and **place it onto the shoulder.** **(Fig. 35)**
- **Hold the actuator and remove 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 motor into the **U-lug** on the lifting arm. **(Fig. 36)**
- Mount it with a **bolt and SL clip.**



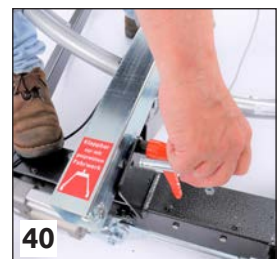
Assembly Functions Test

- **Unlock** the **emergency-stop button** by turning it clockwise **(Page 31)** to test the function of the **SLK Multy.**
- By pressing and holding down the **button A** on the handcontrol, move up once to the **upper limit stop** and move down to the **bottom limit switch** by pressing and holding down **button B.** **(Page 32/33)**
- Charge the hoist **fully** for use. **(Page 30)**

Folding the SLK Multy Universal

The **SLK Multy 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 against a wall. (*Page 46, Fig. 91*)

- **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. 37*)
- **Disconnect** the actuator from the lifting arm. (*Page 26*)
- Retract the actuator **completely** and **fasten** it with cable ties **on the side** of the mast. (*Fig. 38*)
- 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. 39*)
- 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. 40*)
- Push in the 12 m bolt through here and **secure** it with the **SL clip**.
- For transport, *please see page 46*.



Conversion of the SLK Multy Aktiv into SLK Multy Universal



To make the active hoist **SLK Multy Aktiv** into a **universal hoist**, use the **SLK Multy Universal Conversion Kit**. (*Page 19, fig. 4*) The hoist can be reconverted into an active hoist at any time with just a few steps.



- Bring the **mast** into the **upper position**. (*Fig. 41*)

Find more information on “Telescoping the mast” on pages 21 - 23.



- Remove the footboard **with** the shin support. (*Fig. 42*)

Find more information on the “Footboard” and “Shin support” on page 24.



- Dismount the active hoist lifting arm. (*Fig. 43*)

Find more information on the “Lifting Arm SLK Multy Aktiv” on page 25.

- Mount the Universal Hoist lifting arm. (*Fig. 44*)

Find more information on the “Lifting Arm SLK Multy Universal” on page 25.



- Mount the spreader bar. (*Fig. 45*)

Find more information on the “Spreader bar” on page 26.

Your **SLK Multy Aktiv** is now converted into an **SLK Multy Universal** and can now be used as a **universal hoist**.

Conversion of the SLK Multy Universal into SLK Multy Aktiv

To make the universal hoist **SLK Multy Universal** into an **Active hoist**, use the **SLK Multy Aktiv Conversion Kit**. (Page 19, fig. 3)
The hoist can be reconverted into a universal hoist at any time with just a few steps.

- Bring the **mast** into the **upper position**. (Fig. 46)

Find more information on “Telescoping the mast” on pages 21 - 23.

- Demount the Universal Hoist lifting arm **together** with the spreader bar. (Fig. 47)

Find more information on the “Lifting Arm SLK Multy Universal” on page 25.

- Insert the footboard. (Fig. 48)

Find more information on the “Footboard” on page 24.

- Mount the shin support. (Fig. 49)

Find more information on the “Shin support” on page 24.

- Mount the Active Hoist lifting arm. (Fig. 50)

Find more information on the “Lifting Arm SLK Multy Aktiv” on page 25.

Your **SLK Multy Universal** is now converted into an **SLK Multy Aktiv** and can now be used as an **Active hoist**.



Charge the battery pack fully before first use.

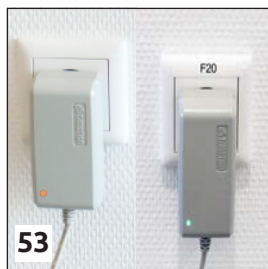


- To **charge** the battery pack, the **emergency-stop button** must be released. *(Page 31)*

When the emergency-stop button is pressed down, the charging operation will not work.



- Open the silicon stopper and **connect** the charger with the control box. *(Fig. 51)*
- The **collar of the plug** must be flush with the housing. *(Fig. 52)*
- 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. 53)*. The **batteries** should **never be exhaustively 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 Multy** do not function during the charging operation.
- To charge the battery pack, the **SLK Multy wall-mounted charging station** *(Fig. 54)* can be used.

See page 17 for accessories.

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

- Put your hand into the **recessed grip** and press the **unlocking button** up. *(Fig. 55)*
- **Pull** the battery pack **towards you**.



Use

Emergency-Stop Button

Using the **emergency-stop button**, the lifting or lowering movements of the **SLK Multy 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. 56)*
- 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 handcontrol are avoided.



Use

Emergency Lowering

If the handcontrol 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 handcontrol are defective, the **SLK Multy 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. 57)*





The brakes of the **SLK Multy 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. 58)**
- 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. 59)**



Depending on the model and drive type, your **SLK Multy Patient Hoist** is equipped with either a **Handcontrol Type I (fig. 60)** or a **Handcontrol Type II (fig. 61)**. **(Page 33)**

Handcontrol Type I is always combined with **Control Box Type I**.
Handcontrol 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 handcontrols 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 handcontrol can be fastened on the backside on all steel parts of the hoist by means of an **integrated magnet**.

Handcontrol

Type I

Overload Symbol: Maximum load exceeded

Button A: Lifting arm moves up

Button B: Lifting arm moves down

Button C: Base is expanded

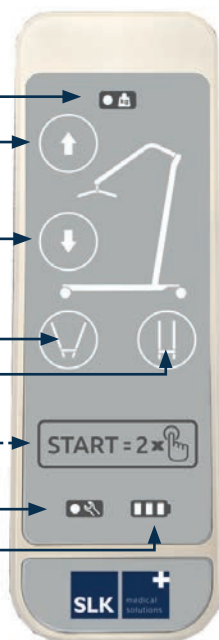
Button D: Base is narrowed

Wake-up Control Box: Press any optional button once.
Function starts when you press the **second time**.

Maintenance Symbol

Charging Status Symbol

60



Handcontrol

Type II

Overload Symbol: Maximum load exceeded

Button A: Lifting arm moves up

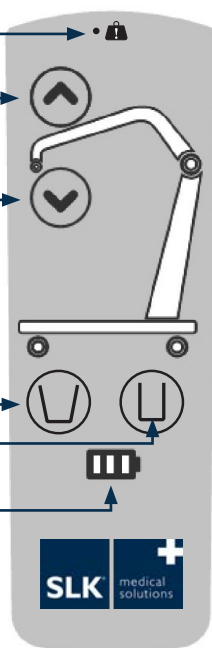
Button B: Lifting arm moves down

Button C: Base is expanded

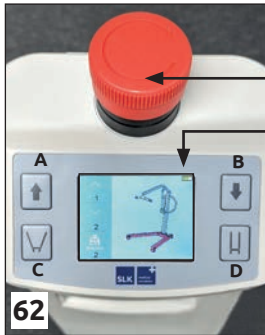
Button D: Base is narrowed

Charging Status Symbol

61



The **SLK Multy Patient Hoists** can also be operated by tapping on the control box. Your hoist is equipped with a **control box Type I (fig. 62)** or **Type II (fig. 63)**. Compare the figures to your hoist to find the matching instruction.



62

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



63

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. 64-66)

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



64

1. Lifting Arm (Fig. 64)

Button A: Move lifting arm up

Button B: Move lifting arm down

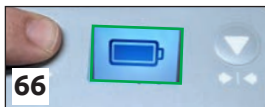


65

2. Base Expansion (optional) (Fig. 65)

Button A: Expand base

Button B: Locking the base



66

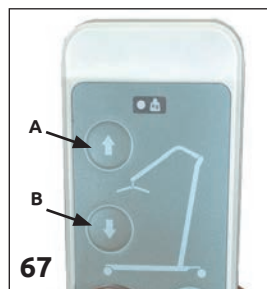
3. Charging Status Symbol (Fig. 66)

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

Operation by Handcontrol

Type I

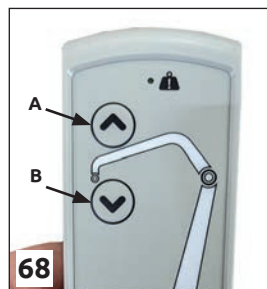
- **Press** any optional **button (A, B, C or D)** to wake up the **control box**. (*Page 33, at the top*)
- **Press and hold down button A** to move the lifting arm up. (*Fig. 67*)
- **Press and hold down button B** to move the lifting arm down. (*Fig. 67*)



Operation by Handcontrol

Type II

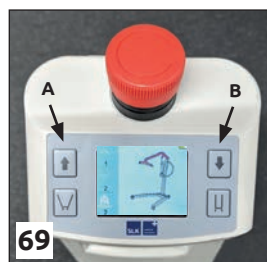
- **Press and hold down button A** to move the lifting arm up. (*Fig. 68*)
- **Press and hold down button B** to move the lifting arm down. (*Fig. 68*)



Control by Control Box

Type I

- Press and hold down **button A** to move the lifting arm up. (*Fig. 69*)
- **Press and hold down button B** to move the lifting arm down. (*Fig. 69*)

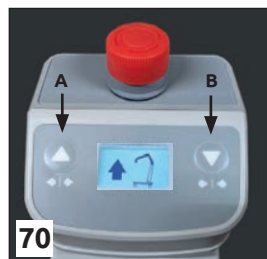


Control by Control Box

Type II

Select the desired function by **pressing button A or B** quickly (< 0.5 sec.) (*Fig. 64/65*)

- **Press and hold down button A** to move the lifting arm up. (*Fig. 70*)
- **Press and hold down button B** to move the lifting arm down. (*Fig. 70*)



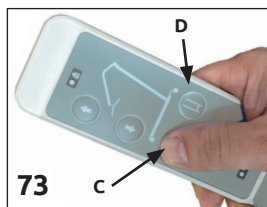
To **improve stability** and simplify **access** to wheelchairs and other seats, the bases of the **SLK Multy Patient Hoists** are equipped with feet that can be expanded by means of a pedal or electric drive depending on the model.



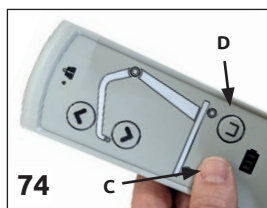
71



72



73



74



75

Manually by Pedal

- **Step** on the **left side of the pedal in driving direction** to expand the base. **(Fig. 71)**
- **Step** on the **right side of the pedal in driving direction** to retract the base again. **(Fig. 72)**

Electrically by Handcontrol

Type I

- **Press** any optional **button** to **deactivate the standby mode**.
- **Press and hold down button C** to expand the base. **(Fig. 73)**
- **Press and hold down button D** to retract the base. **(Fig. 73)**

Electrically by Handcontrol

Type II

- **Press and hold down button C** to expand the base. **(Fig. 74)**
- **Press and hold down button D** to retract the base. **(Fig. 74)**

Electrically by Control Box

Type I

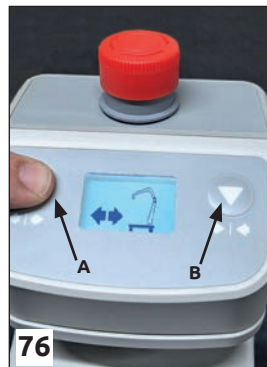
- **Press and hold down button C** to expand the base. **(Fig. 75)**
- **Press and hold down button D** to retract the base. **(Fig. 75)**

Electrically by Control Box

Type II

Select the desired function by **pressing button A or B** quickly (< 0.5 sec.). **(Fig. 65)**

- **Press and hold down button A** to expand the base. **(Fig. 76)**
- **Press and hold down button B** to retract the base. **(Fig. 76)**



Use

Charging Status Symbol

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

1 bar = charging required

2 bar = battery pack has medium charge

3 bar = 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 30)**

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 handcontrol Type I lights up, contact your authorized dealer **immediately**.

A visual inspection should be done before each use. To do so, check 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 (tightened with both hands)?
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?
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 **lifting arm** mounted firmly and secured with the **short ball lock pin (40 mm)**?
13. Is the **pivot point of the spreader bar** mounted correctly and secured with the **SL clip (page 16)**? (**SLK Multy Universal only**)
14. Are the **hook recesses on the spreader bar** undamaged and are deformations and cracks absent? Are the **spring locks** present? (**SLK Multy Universal only**)
15. Is the **hoist sling** free from cracks and are the stitches undamaged?

16. Is the **mast** secured with the **long ball lock pin (60 mm)**?
17. Are the **footboard** and **star-knob screw** installed correctly and are all **three star-knob screws** fastened tightly? (**SLK Multy Aktiv only**)

Use the Patient Hoist only if all points are O.K. In case of deviations or uncertainty, please contact your authorized dealer.





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68



69



70



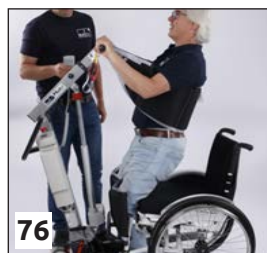
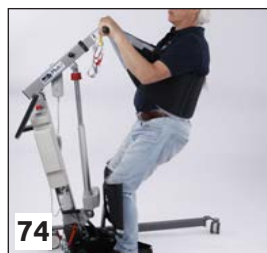
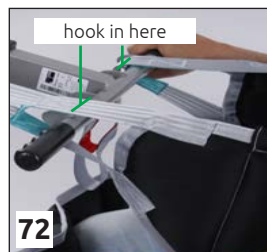
71

- First, position the **Active Hoist sling** (here e.g., **SLK Active Hoist sling**) **in the middle behind the patient's back**. If possible, the patient can also assist the process by **bending slightly forward**. *(Fig. 67)*
- Ensure that the **axle pads** are under the axles. *(Fig. 68)*
- **Brake** the wheelchair/toilet chair; keep the **brakes** of the **expanded SLK Multy Aktiv released**.
- Notice the **user guide** of the hoist sling that is used.

Erecting

- **Expand** the **base** of the **SLK Active Hoist** and push the hoist **as close as possible** to the patient. The **lifting arm** is in its **lower position** at this time. *(Fig. 69)*
- Place the patient's **feet onto the foot-board**. The **shins** should **contact the shin support directly**. *(Fig. 70)*
- **Adjust** the **shin support** so that the patient's **knees** and **upper shin** are **protected**. *(Fig. 71)*
- Hook the **loops** of the Active sling **between the ends** of the handle bar on the lifting arm. The loops with **identical color** should be hooked in on both sides. *(Fig. 72)*
- Find out the **fitting lifting arm length** by carefully trying it out. *(Page 25)*

- The patient can now **hold on to the grips of the Active Hoist arm** to assist as best as possible **in the raising process by means of their body tension.** (Fig. 73)
- Press the **“Up” button (A)** of the manual control. **Watch the raising process** and intervene if necessary.
- End the raising process when the patient has found **stable and comfortable footing.** (Fig. 74)



Transfer

- The patient is to be preferably transferred **forward in driving direction** by means of the Patient Hoists. Push the hoist on the pusher bar. (Fig. 75)
- ***In doing so, observe the safety information on pages 10 and 11.***

Lowering

- Before lowering the patient, assure yourself that **the seat is clear and that its brakes are on** and that it is at a safe stop.
- Push the **SLK Multy Aktiv as close as possible to the seat.**
- **Alert the patient** of the start of the lowering process and ask them **to assist as best as possible.**
- Now press the **“Down” button (B)** on the manual control and **watch the lowering process** to be able to intervene if necessary. (Fig. 76)



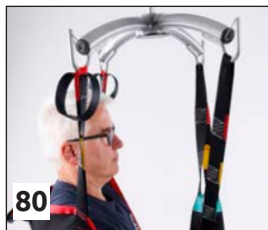
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80



81

Lifting 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. 77*)
- Then pull the **leg loops** one-by-one and **crisscross** under each leg **from the outside to the inside** (*Fig. 78*). 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 loops straight** and then the **leg loops crosswise**. (*Fig. 79*)

4-Point Spreader Bar

Hook in the **upper body loops straight** into the hooks **of one long side** of the spreader bar. Hook in the **leg loops crosswise** into the hooks **on the other side**. (*Fig. 80*)

8-Point Spreader Bar

For the correct use of the 8-Point Spreader Bar (*Fig. 81*) and the related 8-point lying sling, 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

SLK Multy Universal

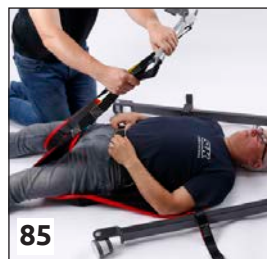
Lifting Patients in Supine Position

It is possible with the **SLK Patient Hoists** to hoist up 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 between the buttocks and shoulder.** (Fig. 82)
- Turn the patient's back **into supine position** on the hoist sling and then roll them **in your direction** onto their side.
- Unfold the **hoist sling**, spread it on the mat and roll the patient back **on their back.** (Fig. 83)
- Move the **expanded SLK Patient Hoist with brakes released** over the patient from the **head side**, so that the **spreader bar** is within reach for the sling loops. (Fig. 84)

2-Point Spreader Bar

Pull the **leg loops from the outside to the inside** underneath the patient's legs and then **first** hook these loops **straight** into the hooks. (Fig. 85)



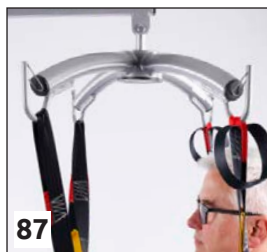


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Then hook in the **upper body loops** of the hoist sling **straight** as well into the hooks. *(Fig. 86)*

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. 87)*



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8-Point Spreader Bar

For the correct use of the 8-Point Spreader Bar *(Fig. 88)* and the related 8-point lying sling, please observe the corresponding user guide.



88

- 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. 89)*
- Notice the **user guide of the hoist sling that is used**.



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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** with the Patient Hoist by using the **pusher bar**. *(Fig. 90)*



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- *In doing so, please observe the safety information on pages 10 and 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	Ball lock pin is not inserted correctly on the mast	Insert ball lock pin up to the stop
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 handcontrol, control box buttons respond	Handcontrol cable not plugged in correctly or handcontrol defective	Plug in handcontrol cable to the stop or replace handcontrol
Hoist does not hoist/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 handcontrol 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/handcontrol 	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 Multy** is to be transported, press the **emergency-stop button (page 31)**. The **SLK Multy Patient Hoists** can be folded **without tools (page 27)**. 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. 91)**

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 Multy Patient Hoists** can be disassembled **without tools** into the following assembly groups/components **(page 18, fig. 1 and 2)**:

SLK Multy Aktiv:

- Mast (with Lifting Arm Base, Drive and Control Box)
- Battery Pack
- Base
- Active Hoist Lifting Arm
- Footboard with Shin Support

SLK Multy Universal:

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

Please notice the **transport conditions (page 47)**.

Transport and Storage Conditions

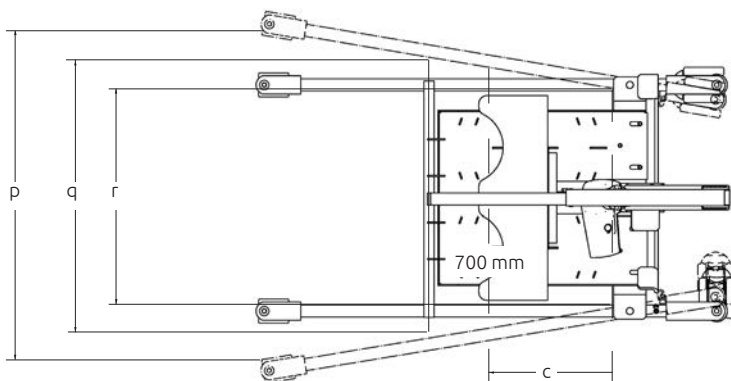
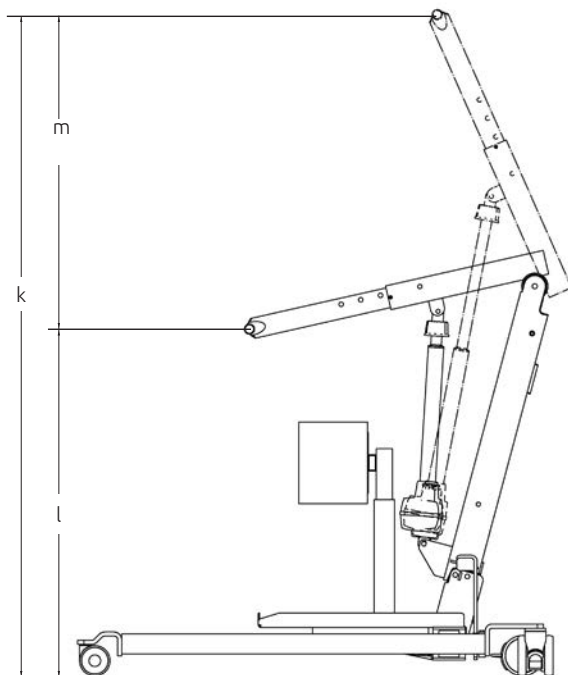
Environmental conditions	For Use	For Transport and Storage
Ambient Temperature	+10°C to +40°C 50°F to 104°F	-10°C to +50°C 14°F to 122°C
Relative Humidity	30% to 75% (non-condensating)	30% to 75% (non-condensating)
Air Pressure	86 kPa to 106 kPa	86 kPa to 106 kPa

Technical Data

SLK Multy		Aktiv	Aktiv e	Universal	Universal e
Length		118 cm	118 cm	118 cm	118 cm
Width		61 cm	61 cm	61 cm	61 cm
Total height		105 cm	105 cm	137 cm	137 cm
Height of feet		11 cm	11 cm	11 cm	11 cm
Caster diameter <small>front/rear</small>		7.5 / 10 cm	7.5 / 10 cm	7.5 / 10 cm	7.5 / 10 cm
Lifting height		85 - 163 cm	85 - 163 cm	81 - 203 cm	81 - 203 cm
Base expansion		51 - 94 cm	51 - 94 cm	51 - 94 cm	51 - 94 cm
Turning radius		132 cm	132 cm	132 cm	132 cm
Total weight		40 kg	41 kg	37 kg	38 kg
Base weight		21 kg	21 kg	18 kg	18 kg
Mast weight*1		17 kg	17 kg	17 kg	17 kg
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
Battery pack	Lead	24 V / 5 Ah	24 V / 5 Ah	24 V / 5 Ah	24 V / 5 Ah
	Li ions	24 V / 4.4 Ah	24 V / 4.4 Ah	24 V / 4.4 Ah	24 V / 4.4 Ah
Power consumption		32 W	32 W	32 W	32 W
Charger input Alternating current		110 - 240 V 50 - 60 Hz / 1 A	110 - 240 V 50 - 60 Hz / 1 A	110 - 240 V 50 - 60 Hz / 1 A	110 - 240 V 50 - 60 Hz / 1 A
Charger output Direct current		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
Operating noise		55 dB(A)	55 dB(A)	55 dB(A)	55 dB(A)
Lifting cycles (number pro load)		60	60	40	40
Lifting cycle (time)	120 kg	65 s	65 s	65 s	65 s
	Max. load	68 s	68 s	68 s	68 s

*1 with lifting arm, drive, control box, and 2-Point Spreader Bar, without battery pack

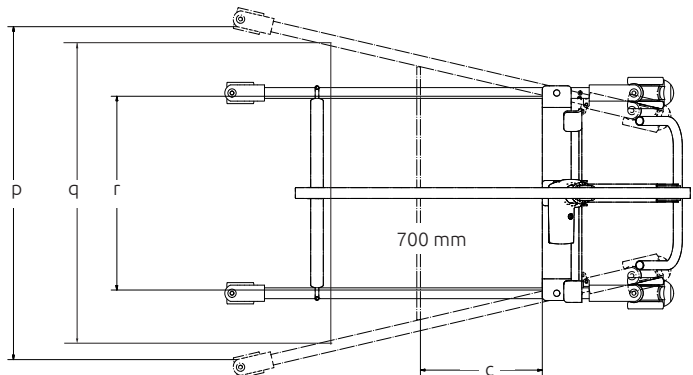
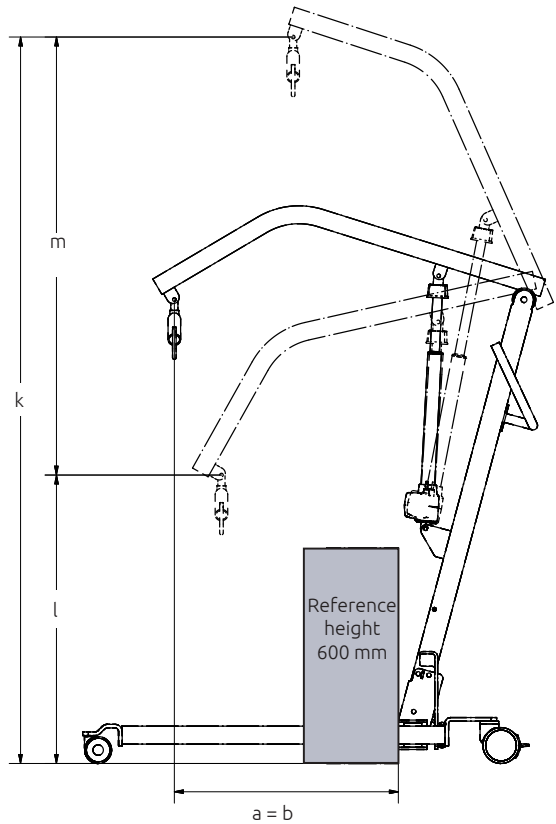
c	Reach at 700 mm expansion	338 mm
k	max. height of CSP	1630 mm
l	min. height of CSP	850 mm
m	Lifting range	780 mm
p	Max. inner width	922 mm
q	Inner width at maximum reach	725 mm
r	Min. inner width	537 mm



Dimensions

SKL Multy Universal

a	Maximum reach at 600 mm	624 mm
b	Maximum reach from the base	624 mm
c	Reach at 700 mm expansion	338 mm
k	Max. height of CSP	2025 mm
l	Min. height of CSP	804 mm
m	Lifting range	1221 mm
p	Max. inner width	922 mm
q	Inner width at maximum reach	835 mm
r	Min. inner width	537 mm



Cleaning

Use a damp cloth to clean your **SLK Multy** 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** by Hagleitner Hygiene
- **Melsitt** by B. Braun
- **Optisept** by Dr. Schumacher

Storage

To prepare the **SLK Multy** 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 27**), placed on the rear casters with **brakes engaged** and leaned against a wall to save space. (**Fig. 92**)

The best protection for the **SLK Multy 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 18). Please notice the storage conditions. (Page 47)**

Maintenance

The useful life and safe use of the **SLK Multy 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.** Attach 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 03/2023)** on **pages 52 and 53**.
- 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 Multy Product Family



- ☐ SLK Multy Aktiv
- ☐ SLK Multy Aktiv e
- ☐ SLK Multy Universal
- ☐ SLK Multy Universal e
- ☐ + SLK Multy Conversion Kit Universal
- ☐ + SLK Multy Conversion Kit Universal
- ☐ + SLK Multy Conversion Kit Aktiv
- ☐ + SLK Multy Conversion Kit Aktiv

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Internet: www.slk-gmbh.de

Serial number: _ _ _ _ _ Date of manufacture: _ _ / _ _ _ _

Pos.	Object		OK	not OK	Remarks	Repaired on:
1	Hoist in original condition					
2	Compatibility certificate for accessory and device combinations is available					
3	User guide available					
4	Type labels present and legible					
5	Casters	• turn easily				
		• pivotable by 360°				
		• undamaged				
		• Fastening screws tightened firmly				
		• Brakes in functional condition				
6	Welding seams ok/ no crack formations/ no corrosion	• Base				
		• Mast				
		• Lifting arm (also check for deformation)				
		• Motor brackets				
		• Spreader bar/footboard/shin support (depending on model)				
7	No surface damage or corrosion					
8	Function of the base expansion works easily					
9	Bolt with SL clip in proper condition (replace in case if marks are present)					
10	Bolt for fixating the lifting arm (40mm long) and the mast (60 mm long) are present and in proper condition (replace in case marks are present)					
11	Screws tightened firmly	• between the base and mast				
		• between the mast and lifting arm (100 Nm tightening torque)				
		• between the base and feet (100 Nm tightening torque)				
12	Hoist bolt with collar for the spreader bar has a collar height of min. 4 mm. Double check the measurement with a slider gauge and enter it under "Remarks" (only SLK Multy Universal)					
13	Teflon washer is present between the hoist bolt and the spreader bar, min. 1 mm thickness or replace otherwise					

POS.	Object	OK	not OK	Remarks	Repaired on:
14	Gas pressure spring is functional				
15	Folding mechanism is functional				
16	Pusher bar is screwed on				
17	Plug on the spreader bar is present/spring locks and plugs present on spreader bar (if applicable)				
Electrical system					
18	All cables undamaged and connected				
19	Emergency-stop button present and functional (no function while emergency-stop button is pressed, reactivation only by turning)				
20	Charger is present and undamaged, orange control lamp during charging				
21	Charging function available				
22	No lift function during charging				
23	Tipping operation of the handcontrol works (releasing the handcontrol stops the lift operation)				
24	No lifting function when the bolt in the mast is not installed correctly. Test: Remove bolt and then all lifting functions must be disabled				
25	Handcontrol including cable and strain relief are undamaged, control lamps work (if present)				
26	Seal ring present on the plug of the handcontrol				
27	Control box screw on the mast is present				
28	Lifting function pack engages				
29	Electrical control by means of the buttons on the control box works				
30	Indicators/displays function				
31	Both limit switches function (drive switches off at the top and bottom)				
32	No remarkable noises in the drive motor				
33	Mechanical emergency lowering works				
34	Grease deposits removed from the thrust rod				
35	Electrical base expansion works (if present)				
36	Test of the entire lifting cycle pursuant to EN 10535 Annex B1 Multy Universal: with maximum nominal load of the hoist Multy Aktiv: with 50% of the maximum nominal load of the hoist				

the SLK website for the documentation!

☐

The patient hoist/conversion kit can be used.

☐

**The patient hoist/conversion kit must be serviced before reuse.
(A corresponding label has been appended.)**

Date: _____

Signature of tester: _____

Next servicing: _____

Name in printed letters: _____

☐

**All defects have been repaired professionally.
The patient hoist/conversion kit can be used**

Date: _____

Signature of tester: _____

Next servicing: _____

Name in printed letters: _____

Conformity

The **Patient Hoists** **SLK Multy Aktiv**
 SLK Multy Aktiv e
 SLK Multy Universal
 SLK Multy Universal e

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 Multy models** comply with DIN EN ISO 10535:2022-03 and the requirements of EN ISO 60601-1:2013-12.

Electromagnetic Compatibility (EMC)

The **Patient Hoists of the SLK Multy Product Family** conform to the requirements of DIN EN ISO 60601-1-2:2015. 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 Multy Patient Hoist** is 11,000 lifting cycles in accordance with the standard.

The maximum lifespan is 8 years.

Calculation example: If a **SLK Multy** is used for a patient, who requires four lifting cycles per day, each day of the year, then the 11.000 lifting cycles will be used up after around seven and a half years.

$$\frac{11,000 \text{ lifting cycles}}{365 \text{ days} \times 4 \text{ lifting cycles}} = 7.53 \text{ years}$$

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.





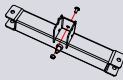
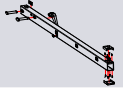

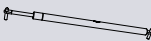



Once the 11,000 lifting cycles are reached, the control box will show the maintenance symbol on the display.

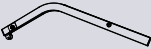

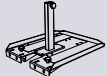
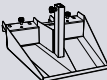



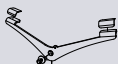

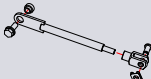



The theoretical useful life of the battery pack is 500 charging cycles. This is on the presumption that they are charged fully and regularly (i.e. every 3 months). The batteries **must never exhaustively discharge**.


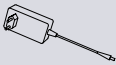



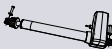



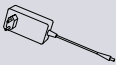

Disposal



The **SLK Multy** 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 IDs of the Spare Parts						SLK Multy	
User Guide (EN)		8293	8293	8293	8293	8293	8293
Gebrauchsanweisung (DE)		8302	8302	8302	8302	8302	8302
Mode d'emploi (FR)		8580	8580	8580	8580	8580	8580
Gebruiksaanwijzing (NL)		8582	8582	8582	8582	8582	8582
Instrucciones de uso (ES)		8581	8581	8581	8581	8581	8581
Spare Part*1	Drawing	Aktiv	Aktive	Universal	Universale	Conversion Kit Aktiv	Conversion Kit Universal
Hoist Components							
Foot, left		8656	8657	8656	8657	-	-
Foot, right		8662	8662	8662	8662	-	-
Central Tube		8736	8737	8736	8737	-	-
Inner Mast		8723	8723	8723	8723	-	-
Outer Mast		8725	8726	8725	8726	-	-
Gas Pres-surespring		8731	8731	8731	8731	-	-
Pusher Bar		8678	8678	8678	8678	-	-
Lifting Arm Base		8721	8721	8721	8721	-	-
Lifting Arm Active		8720	8720	-	-	8720	-

Article IDs of the Spare Parts						SLK Multy	
Spare part*1	Drawing	Aktiv	Aktiv e	Universal	Universal e	Conversion Kit Aktiv	Conversion Kit Universal
Lifting Arm Universal		-	-	8738	8738	-	8738
2-Point Spreader Bar		-	-	8054	8054	-	8054
Footboard, flat		8728	8728	-	-	8728	-
Footboard, deep		8729	8729	-	-	8729	-
Shin Support, metal		8733	8733	-	-	8733	-
Shin Support, soft		8735	8735	-	-	8735	-
Shin Support, Pad		8734	8734	-	-	8734	-
Pedal		8652	-	8652	-	-	-
Cinematics		-	8690	-	8690	-	-
Spreader Rod		8692	8692	8692	8692	-	-
Caster, front		8696	8696	8696	8696	-	-
Caster, rear		8700	8700	8700	8700	-	-
Service Set*3		8705	8705	8705	8705	-	-

Article IDs of the Spare Parts						SLK Multy	
Spare Part*1	Drawing	Aktiv	Aktiv e	Universal	Universal e	Conversion Kit Aktiv	Conversion Kit Universal
Drive Components Type I							
Handcontrol		8636	8635	8636	8635	-	-
Charger		8633	8633	8633	8633	-	-
Battery Pack		8632	8632	8632	8632	-	-
Control Box		8631	8631	8631	8631	-	-
Safety Box		8640	8640	8640	8640	-	-
Actuator		8637	8637	8637	8637	-	-
Base Expander Motor		-	8638	-	8638	-	-
Drive Components Type II*3							
Handcontrol		8445	8539	8445	8539	-	-
Handcontrol Magnet		8455	8455	8455	8455	-	-
Charger		8450	8450	8450	8450	-	-
Battery Pack		8441	8441	8441	8441	-	-

SLK Multy

*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.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page or a sheet of stationery.

we lift you up



Wellell Group

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Version: 04/2023 - 8.9

Released by: Quality manager

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

 [@SLK Medizintechnik](https://www.facebook.com/SLK_Medizintechnik)

 [slk_medizintechnik](https://www.instagram.com/slk_medizintechnik)

[#workgreen](https://www.instagram.com/slk_medizintechnik)

Article ID of this User Guide is 8293

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**.

Deze **Gebruiksaanwijzing** is ook verkrijgbaar in het **Nederlands**.

Estas **instrucciones de uso** también están disponibles en **español**.

Artikel-ID 8302

ID d'article 8580

Artikel-ID 8582

ID de artículo 8581